

THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER:
3617 CENTRAL (3 lines).

**Established in
ENGLAND, 1859.]**

Registered as a Newspaper.

Published Weekly at 42 CANNON STREET,
LONDON, E.C.

TELEGRAPHIC ADDRESS:
"CHEMICUS, CANNON, LONDON."
[Charged as two words only.]

**Established in
[AUSTRALASIA, 1885.]**

No. 1,854. Vol. LXXXVII

AUGUST 7, 1915.

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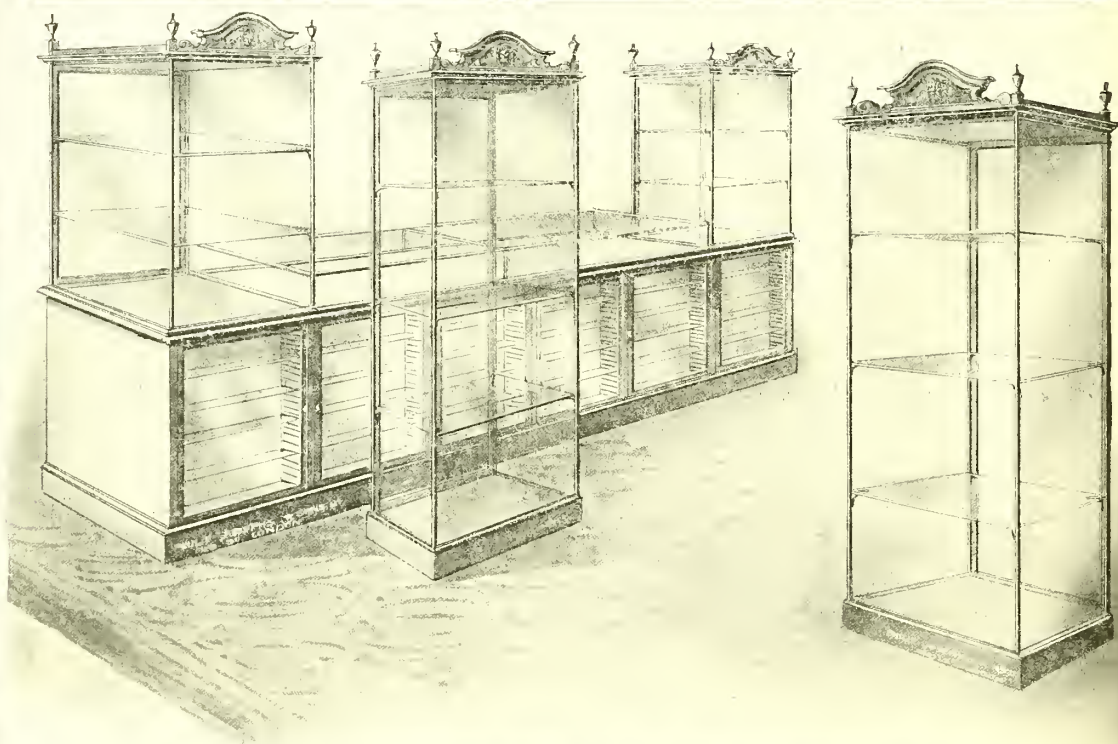
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Gentlemen,

We beg to notify you that the name of this Company has been changed from

E. N. FRANKENSTEIN & CO., LIMITED, to

FORWOOD BROS. & DONALDSON, LIMITED.

Our business was founded nearly sixty years ago by Mr. S. M. Frankenstein, and his brother, Mr. E. N. Frankenstein, joined him later, both of whom were BRITISH-BORN SUBJECTS. Three of the present Directors of the Company are the Sons of the late Mr. E. N. Frankenstein. Our fourth Director is Mr. W. W. Donaldson, a Scotsman, who has been in the firm for over 30 years.

The reason for changing the name of our Company is that all our Shareholders, Directors and Staff being British and loyal subjects of His Majesty, we prefer to alter a name which might suggest Teutonic nationality or sympathies.

The change of the name of our Company has been made with the consent of the Board of Trade, who satisfied themselves as to our nationality before granting such consent, and as proving where our sympathies lie in the present European struggle, we may mention that two of our Directors and a number of the members of our Staff are serving their King and Country in His Majesty's Forces.

Our Chairman, Mr. S. Arthur Frankenstein, and our Director, Mr. John Frankenstein, have also discarded the name of Frankenstein, and have adopted that of Forwood, by Deed Poll.

No change has taken place in the proprietorship or control of our Company, which will in future be carried on in the same way as in the past.

Yours faithfully,

FORWOOD BROS. & DONALDSON, LIMITED.

26/28 Ropemaker Street,
Finsbury, E.C.

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- Disinfectants**
Bais Bros. & Stevenson, Ltd.
Burroughs, Burdighes & Co.
Burt, Boulton & Haywood, Ltd.
Celtol Supply Agency
Condy & Mitchell, Ltd.
Cook, F., & Co., Ltd.
Harker, Stage & Morgan, Ltd.
Jeyes' Sanitary Compds. Ltd.
Sanitas Co., Ltd.
Southall Bros. & Barclay, Ltd.
Standardised Disinfectants Co., Ltd.
Stevenson, H. E., & Co.
Willows, Francis, B. & T., Ltd.
Wright, Layman & Umney, Ltd.
Young, E., & Co., Ltd.
- Douches, Rubber**
Goodrich, B. F., Co.
- Druggists' Sundries**
Ayrton, Saunders & Co., Ltd.
Bais Bros. & Stevenson, Ltd.
Berton, Arthur, Ltd.
Brook, Parker & Co., Ltd.
Bryntele Manfr. Co.
Burge, Warren & Ridgley, Ltd.
Burroughs, Burdighes & Co.
Bush, H. W., & Co., Ltd.
Chemists' Sundries, Ltd.
Edwards, W., & Son
Evansons Lescher & Webb, Ltd.
Hovenden, R., & Sons, Ltd.
Legercroft, H. M.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newberry, F., & Sons, Ltd.
Onelch, H. C. & Co.
Reuter, E. J.
Sangers
Schnitz, F., & Co., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Swales, Thomas
Toogood, W., Ltd.
Woolley, J., Son & Co., Ltd.
- Drugs, Crude**
Berg, V., Sons
Dodge & Olcott Co.
Gathergood's Exor.
Goodall, Backhouse & Co.
Lambert, Saml., & Co.
Potter & Clarke, Ltd.
Raimes & Co.
- Eau de Cologne**
Bronley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, Thos., & Co.
Erasme Co., Ltd.
Lescol Perfumery Co.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Sangers
Schnitz, F., & Co., Ltd.
Vinola's Co., Ltd.
- Eau de Cologne (solid)**
Demuth's Laboratories
- Educational Institutions**
Bath & West of England College
Birmingham and Midland College
Birmingham University
Bristol University
British Optical Institute
College of Preceptors
City College
Liverpool School of Pharmacy
London College of Pharmacy
Northern College of Pharmacy
School of Pharmacy
South of England College
Westminster College
- Effervescent Preparations**
Allen & Hanbury's, Ltd.
Evansons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Elastic Gum Insts.
Mason Bros. & Chapman
- Elastic Hosiery**
Ayrton, Saunders & Co., Ltd.
Bailey, W. H., & Son
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Wood, Vincent
- Electrical Novelties**
Ward & Goldstone
Wright, Archd., J., Ltd.
- Emery and Cloth**
Oakley, J., & Sons, Ltd.
- Emetine Salts**
Carnegie Bros.
- Macfarlan, J. F., & Co.**
Walton & Sons, Ltd.
- Emulsifiers**
Rennett, Sons & Shears, Ltd.
Roberts' Patent Filling Machine Co.
Wilkinson, S. W., & Co.
- Emulsions, C.L.O., &c.**
Ayrton, Saunders & Co., Ltd.
Bais Bros. & Stevenson, Ltd.
Blackie, Robert
Brownling, Wm., & Co.
Cupal, Ltd.
Faulding, F. H., & Co.
Farke, Davis & Co.
Scott & Bower, Ltd.
Stevenson, H. E., & Co.
Wyleys, Ltd.
- Enamelled Hospital Requisites**
Orme, Evans & Co., Ltd.
- Endolytic Tubes**
Fletcher, Fletcher & Co. Ltd.
- Enemas**
Burge, Warren & Ridgley, Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Warne, W., & Co., Ltd.
- Epsom Salts**
Blythe, Wm., & Co., Ltd.
Howards & Sons, Ltd.
May & Baker, Ltd.
- Essences, Sol. and Fruit**
Alliance Drug & Chem.
Barnett & Foster
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Essence Co.
Stevenson & Howell, Ltd.
- Ethers**
Bais Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyer, T., & Co., Ltd.
White, A., & Sons
- Eucalyptus Oil**
British Drug Houses, Ltd., The
Stevenson, H. E., & Co.
Tasmanian Eucalyptus Oil Co.
- Evaporators**
Forshaw, E., & Son, Ltd.
- Extract of Herbs**
Newhall & Massie
Potter & Clarke, Ltd.
- Extracts (Medicinal)**
Allen, Stafford, & Sons, Ltd.
Birnbroths Wellcome & Co.
Evansons Lescher & Webb, Ltd.
Gathergood's Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W., & Son, Ltd.
- Factory, &c., Sites**
Great Western Railway
- Feeding Bottles**
Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons
Schnitz, F., & Co., Ltd.
- Filling Machines**
Porrover Machinery Co., Ltd.
Jackson, J. G., Ltd.
Roberts' Pat. Filling Mach. Co.
- Filter Papers**
Ford, T. B., Ltd.
- Filters**
British Pasteur-Chamberland Filter Co.
Fulham Pottery & Cheavin Filter Co., Ltd.
- Finger Stalls**
Solport Bros.
- Flycatchers**
Alabastine Co., British Ltd.
Barnard, J., & Co.
Ford, Chapman & Co.
Kay Bros., Ltd.
Smith, Jno. H., & Co.
Strong, Christy
- Foods, Invalid, &c.**
Allen & Hanbury's, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
British Casein Co. (1911), Ltd.
British Milk Products Co., Ltd.
Deans, Logan & Co., Ltd.
Fairchild Bros. & Foster
Frame Food Co.
Harker, Stage & Morgan, Ltd.
Horlick's Malted Milk Co.
Lorimer, John
Lofthouse & Saltmer, Ltd.
Natural Food Co., Ltd.
Plasmon, Ltd.
Reade Bros. & Co., Ltd.
Santoro Co.
Sister Laura's Infant Food Co.
Southall Bros. & Barclay, Ltd.
Wander, J., Ltd.
Willows, Francis, B. & T., Ltd.
Woolley, Jas., Sons & Co., Ltd.
Wulfin, A., & Co.
- Foot Appliances**
Scholl Manfr. Co., Ltd.
- Fruit Drink**
McGlashan, D.
- Fuller's Earth**
Munford, G. S., & Sons
- Fumigators**
Sanitas Co., Ltd.
- Gallic Acid**
Mallinckrodt Chem. Works
- Gauzes**
Bailey, E., & Son
Carnegie Bros.
- Glassware, Chemical**
Lang, Jules, & Son
- Glycerin**
Price's Patent Candle Co., Ltd.
- Glycerophosphates**
Monsanto Chemical Works
Reitmeyer (Calburn & Kindersley, Ltd.)
- Grease Paints**
Hovenden, R., & Sons Ltd.
Osborne, Garrett & Co.
Onelch, Henry C., & Co.
- Grinders, Drug, &c.**
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T., Ltd.
- Gripe Water**
Woodward, W., Ltd.
- Gums**
Pink, F., & Co.
Kidston, W. M., & Co.
Lambert Saml., & Co.
- Hair Dyes**
Harker, C.R. Stage & Morgan
Blackie, Robert
- Hair Preparations**
Alexandre, L.
Anzora Perfumery Co.
Blackie, Robert
Edwards' "Harlene" Co.
Sangers
Tokalon Ltd.
- Hand Carts, Trucks, &c.**
Crewe & Co.
- Hat Cleaners**
Cox, Arthur H., & Co., Ltd.
Milner's Chemical Co.
Senior, Alf., & Co.
- Hat Dyes**
Whitaker & Co.
- Herbs**
Potter & Clarke, Ltd.
Salle, H., & Co.
- Hexamethylenetetramine**
Reitmeyer Calburn & Kindersley, Ltd.
- Homeopathic Medicines**
Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.
Leath & Ross
- Horse Remedies**
Harvey & Co. (Dublin), Ltd.
- Hot Air Douches**
Ward & Goldstone
- Hot Water Bottles**
Bailey, W. H., & Son
Berton, Arthur, Ltd.
Burge, Warren & Ridgley, Ltd.
Galen Manfr. Co., Ltd.
Goodrich, B. F., Co.
Ingram, J. G., & Son
Maw, S., Son & Sons
Schnitz, F., & Co., Ltd.
Toogood, William, Ltd.
Warne, Wm., & Co., Ltd.
Wood, Vincent
- Hot Water Bottle Stoppers**
Rowe, T. Wilfrid
- Hotels**
Kingsley Hotel
Thackeray Hotel
- Hydrogen Peroxide**
Laporte, B., Ltd.
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyer, T., & Co., Ltd.
- Hypophosphites**
May & Baker, Ltd.
Tyer, T., & Co., Ltd.
- Ink, Dichroic**
Bewley & Draper, Ltd.
- Insecticides**
Christy, T., & Co.
Cook, E., & Co., Ltd.
- Insect Powder**
Keating, Thomas
Potter & Clarke, Ltd.
Raimes & Co.
- Iodides**
Tyer, T., & Co., Ltd.
- Junket Powder**
Armist, T.
- Lanolin**
Christy, T., & Co.
Corbyn, & Co., Ltd.
Hillcrest Oil Co., Ltd.
Howard Lloyd & Co., Ltd.
- Lard**
Ewen, J., & Sons
- Lavender Oil**
Allen, Stafford, & Sons, Ltd.
Guillevie, E., & Co.
Ransom, W., & Son, Ltd.
- Lavender Water**
Bush, W. J., & Co., Ltd.
- Leeches**
Allen & Hanbury's, Ltd.
- Ligatures**
Seabury & Johnson
- Lime Juice and Cordial**
Evansons Lescher & Webb, Ltd.
Idris & Co., Ltd.
- Linseed, Crushed**
Munford, G. S., & Sons
- Lints**
Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.
Vernon & Co., Ltd.
- Liquorice Juice**
Roehm, F., Ltd.
Fuerst Bros.
- Liquors, Conc.**
Jackson, Ernest, & Co.
Linton, Hubbard & Andrew Salazar
- Lithia Salts**
British Drug Houses, Ltd., The
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
- Loofah Socks**
Davis, J. M., & Sons
- Loofahs**
Hall Fortme & Co., Ltd.
Internal Sponge Importers, Ltd.
Solport Bros.
Swales, Thos.
- Lozenges**
Crosse & Blackwell
Denonah, Jules, & Co.
Guest, Thos., & Co.
Jackson, Ernest, & Co.
Potter & Clarke, Ltd.
Raimes & Co.
Warrick Bros., Ltd.
- Lysols**
Aerators, Ltd.
Burt, Boulton & Haywood, Ltd.
Evansons Lescher & Webb, Ltd.
Lorimer, John
Zimmermann, C. & Co. (Chemicals), Ltd.
- Machinery, Pharmacal**
Allen & Hanbury's, Ltd.
Bennett, Sons & Shears, Ltd.
Blair Campbell & McLean, Ltd.
Forgorever Machinery Co.
Gardner, Wm., & Sons, Ltd.
Griffin, John J., & Sons, Ltd.
Jackson, J. G., Ltd.
Findar, J. W., & Co.
Stokes, F. J. Machine Co.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.
- Magnesia and Preps.**
Henry, T. & W.
Howards & Sons, Ltd.
International Chem. Co., Ltd.
Phillips, Chas. H., Chem. Co.
Washington Chemical Co., Ltd.
- Malt Extract and Preps.**
Allen & Hanbury's, Ltd.
Blackie, Robert
British Drug Houses, Ltd., The
Burroughs Wellcome & Co.
Caldar, James, & Co., Ltd.
Corbyn, & Co., Ltd.
Davies, Sons & Co.
Evansons Lescher & Webb, Ltd.
Fletcher, Fletcher & Co., Ltd.
May, Roberts & Co., Ltd.
Paine, & Co., Ltd.
Pasall, James, Ltd.
Wander, A., Ltd.
Wyleys, Ltd.
- Marking Ink**
John Bond ("Crystal Palace")
- Measures, Graduated**
Bnsh, H. W., & Co., Ltd.
- Meat Extracts**
Armour & Co., Ltd.
Brand & Co., Ltd.
Tooth's Extract of Meat Co.
- Medical Coils**
Ward & Goldstone
- Menthol**
Carnegie Bros.
- Mercurials**
Alliance Drug & Chemical Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyer, T., & Co., Ltd.
- Metal Clips**
Grish, John J., & Sons, Ltd.
- Methylated Spirit**
Borough, J., Ltd.
Preston's Liverpool Distillery
Kandall & Son, Ltd. [Co., Ltd.
Kiddell & Smith
Thornley, Samuel, Ltd.
- Mineral Waters**
Apollinaris & Johannis, Ltd.
Camwall, Ltd.
Idris & Co., Ltd.
Ingram, J. G., & Son, Ltd.
Norke Mineralwater
- Mixers and Sisters**
Gardner, Wm. & Sons, Ltd.
Stokes, F. J. Machine Co.
- Naphthalene**
Burt, Boulton & Haywood, Ltd.
- Night Lights**
Price's Patent Candle Co., Ltd.
- Oils, Essential**
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co.
Arthur & Co.
Boake Roberts & Co., Ltd.
Boehm, F., Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Evansons Lescher & Webb, Ltd.
Guillevie, E., & Co.
Lambert, Saml., & Co.
Lane-Hall, R., & Co.
London Essence Co.
Magnus, Mabeck & Reynard Inc.
Naef, M., & Co.
Polak & Schwarz
Poppelerunter W.
Ransom, W., & Son, Ltd.
Stevenson & Howell, Ltd.
Verona Chemical Co.
Wiener, E. O., & Co.
- Oils, Mineral, Fatty, &c.**
Allen, Stafford, & Sons, Ltd.
Boehm, F., Ltd.
Hertz & Co.
Price's Patent Candle Co., Ltd.
Stern Sonneborn Oil Co., Ltd.
- Ointments**
Blackie, Robert
Burgess, E.
Mentholum Co.
Oldfield, Pattinson & Co.
Peat Products (Sphagnum) Ltd.
- Olive Oil**
Ferrer, J., & Co.
Guillevie, E., & Co.
- Opium Preparations**
Ferra & Co., Ltd.
Oldfield, Pattinson & Co.
- Optical Goods**
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical Co., Ltd.
Standard Optical Co., Ltd.
- Optical Tuition**
British Optical Institute
College of Optics
Speciale Makers Company
- Orange and Quinine Wine**
Hobson, Joseph, & Son
Idris & Co., Ltd.
Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.
- Organic Solvents**
Hopkin & Williams, Ltd.
- Organo-Therapeutic Preps.**
Armour & Co., Ltd.
Ernst & Son, Pharmacy Co., Ltd.
Duncan, Flockhart & Co.
- Otto Rose**
Guillevie, E., & Co.
Shippoff & Co.
Zimmermann, C. & Co., Ltd.
- Otto Rose (Synth.)**
Bnsh, W. J., & Co., Ltd.
Guillevie, E., & Co.
Kerfoot, Thos., & Co.
Stevenson & Howell, Ltd.
Stevenson, H. E., & Co.
Warrick Bros., Ltd.
Wright, Layman & Umney, Ltd.
- Oxygen Baths**
Wright & Co.
- Packed Goods**
Allen & Hanbury's, Ltd.
Bais Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd., The
Corbyn, Stacey & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Christy, Thos., & Co.
Cupal, Ltd.
Davies, Sons, & Co.
Evansons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Harker, C.R. Stage & Morgan
Lofthouse & Saltmer, Ltd.
May, Roberts & Co., Ltd.
Oldfield, Pattinson & Co.
Potter & Clarke, Ltd.
Sangers
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ltd.
Standard Tablet & Pill Co., Ltd.
Toogood, W., Ltd.
- Palatinoids**
Oppenheimer, Sons & Co., Ltd.
- Paper**
Benjamin & Co.
British Lianosoff White Oil Co., Ltd.
- Pastilles**
Allen & Hanbury's, Ltd.
Burroughs Wellcome & Co.
Demuth's Laboratories
Evansons Lescher & Webb
Guest, Thos., & Co.
Kerfoot, Thos., & Co.
Wander, A., Ltd.
Warrick Bros., Ltd.
- Patent Agents**
Barker, B. W.
Raworth, John E.
- Peppermint Oil**
Allen, Stafford, & Sons, Ltd.
Bnsh, W. J., & Co., Ltd.
Dodge & Olcott Co.
Ransom, W., & Son, Ltd.
Rudd, F. M.
Stevenson & Howell, Ltd.
- Peptone**
Armour & Co., Ltd.
Fairchild Bros. & Foster
May & Baker, Ltd.
- Perfume Materials**
Bush, W. J., & Co., Ltd.
Guillevie, E., & Co.
Kerfoot, Thos., & Co.
Lambert, Saml., & Co.
Naef, M., & Co., Succrs.
Polak & Schwarz
Salle, H., & Co.
Stevenson & Howell, Ltd.
Wright, Layman & Umney, Ltd.
Zimmermann, C. & Co., Ltd.
- Perfumes**
Allen & Hanbury's, Ltd.
Bais Bros. & Stevenson, Ltd.
British Drug Houses, Ltd., The
Bronley, H., & Co., Ltd.
Bnsh, W. J., & Co., Ltd.
Christy, T., & Co.
Demuth's Laboratories
Erasme Co., Ltd.
Evansons Lescher & Webb, Ltd.
Lescol Perfumery Co.
Lorimer, John
River, L. T., & Cie
- Petroleum**
Cheesebrough Mfrs.
Kidston, W. M., & Co.
Meade-King, Robinson
Stern Sonneborn Oil Co.
Wiener, E. O., & Co.
- Phenacet**
Greiff, B. W., & Co.
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- Photo. &c.**
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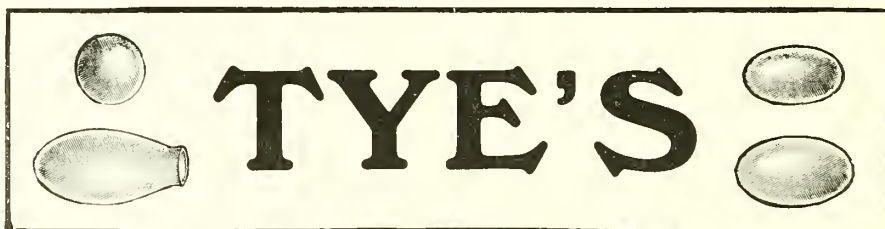
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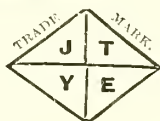
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NUMBER 199.

AUGUST 7, 1915



Twelve Months Ago

A year ago, when the first shock of war shattered the Holiday Season, the above announcement appeared in 'Maw's Page.' We have done our best to uphold that promise. We have made every effort to maintain efficiency and quality in all Departments, notwithstanding the fact that a splendid percentage of our staff has enlisted, and that many of our ordinary channels of supplies have been appropriated by the Government for war purposes.

After twelve months the "troublesome times" are still with us; and now, as then, Pharmacists are appreciating the House of Maw Service and all that it means in new and better business.

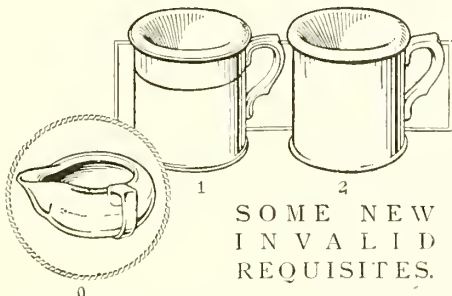
"... the Drug Trade are assured that the House will do everything in its power as regards service and prices to help chemists at home and abroad through the present troublesome times."

BALANCE Handle Steel
Palette Knives covered with
vulcanite are a new introduc-
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and withstand the actions of
acids and other chemicals
which act on steel.

4 in. blades, 21/- dozen.

6 " " 27/-

Easily cleaned and cheap at the
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SOME NEW
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0. A new British-made Feeding Cup, with open spout,
2 in. high, 5 in. across at widest part. Leadless
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1 & 2. These "All-British" Spitting Mugs are cheaper
than the original foreign made patterns. 3 1/2 in. high
Perfectly firm. Easy to clean.

No. 1. White and Gold, 8/6 doz. No. 2. White, 6/9 doz.

WEIGHING only half an
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razor is literally a pocket line.
Will take all double-edged
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of Teats, with the result that
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are liable to occur. To mini-
mise this, where it is not possi-
ble to send the whole quantity
ordered we dispatch to Pharma-
cists as great a part of the
order as possible and we ask
customers, in view of the ex-
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requirements as early as con-
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ROMATIC
Tooth Soap
now put up in
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price 45/- gross.




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Water Bottles.
Made in 14
sizes. Write for
details.
No increase in
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There is a general demand for
Menthol during the Summer
months, and Pharmacists should
take advantage of this fact, and
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is fitted with a vegetable ivory
handle, and is daintily put up in
a neat tin container. The lettering
is in black on an attrac-
tive red ground. The **3/6**
"No. 13" Menthol Cone. **DOZ**

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We offer our apologies to the Trade for the recent delay in fulfilling orders for Albulactin.

Our Factory at Penzance is now fully equipped to maintain ample and continuous supplies, and we are therefore in a position to promise early delivery of orders in the future.

It is well known that physicians are relying more and more on Albulactin for the artificial feeding of infants—particularly in difficult and extreme cases, where no other food is tolerated.

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July 1915.

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Before the War, the LIANOSOFF Group imported from its refineries at BAKU (Russia) cargoes of Oil in its Tank Steamers for the manufacture of LIQUID PARAFFIN, which oil it supplied to almost ALL the makers of WHITE OILS in Germany.

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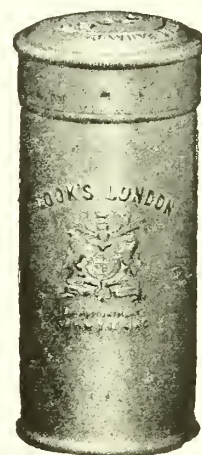
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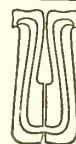
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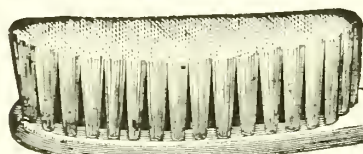
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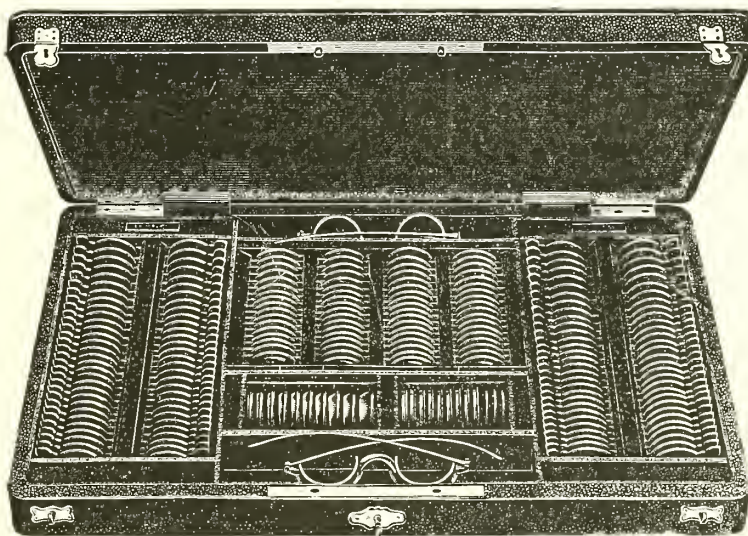
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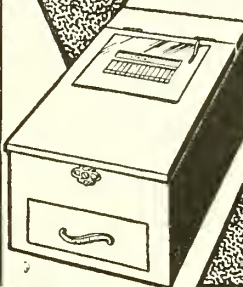
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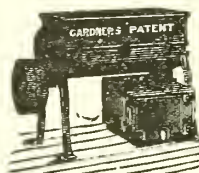
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We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return. See trade mark on all our goods: "T. R. ALLINSON." None Genuine Without.

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The only filter giving complete
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A real preventive of water-borne
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500, **5/-**

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Foremost in 1915.

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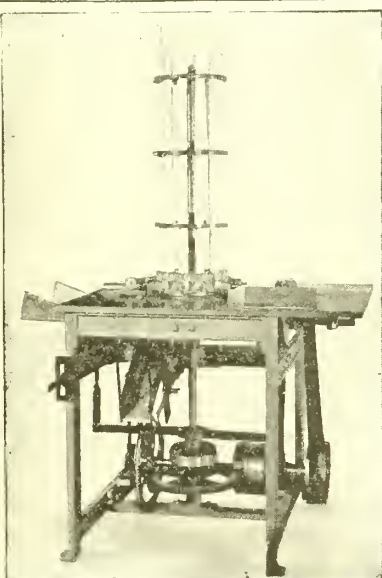
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CLOTH ROLLING & MEASURING MACHINE
BANDAGE PAPERING MACHINE.
BANDAGE CUTTING MACHINE.

BANDAGE

CUTTING

MACHINE



CUTS

— 66 —

BANDAGES

PER

MINUTE

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1855.Excise Drawback on
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When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Water of the British Pharmacopoeia. They are always of uniform strength, and will keep good any length of time in any climate.

Aqua Amygd. Amar. Conc. (U.S.)	4/- per lb.	Aqua Cassia Conc.	4/- per lb.	Aqua Menth. Virid. Conc.	4/- per lb.
" Anethi, Concent.	4/- "	" Flor. Aurant.	8 6 "	" Pimentae "	4/- "
" Anisi "	4/- "	" Sambuci Conc.	8 6 "	" Pulegii "	4/- "
" Camphorae "	4/- "	" Foeniculi Conc.	4/- "	" Rosmarini "	4/- "
" Carui "	4/- "	" Menth. Pip. Conc.	4/- "	" Rosae "	8 6 "
" Cinnam. Ver. Conc.	6/- "	" Ang. Conc.	6/- "	" Virgin "	10 6 "

The above may be had in $\frac{1}{4}$ -lb., $\frac{1}{2}$ -lb., or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses. Each bottle has the Inventor's Protection Label over the Cork, without which none are genuine.

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(VINUM AURANTII, B.P. 1914.)

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SHOULD STOCK****ABDINE****THE GOLD MEDAL FRUIT DRINK.**

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 Order through your Wholesale Drug House.
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 Wholesale Prices on Application.

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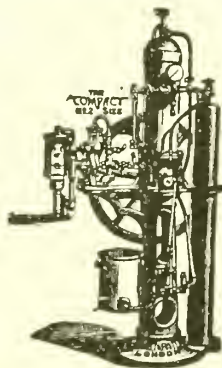
By the use of our latest Back Pressure Filling Machines only half the usual quantity of Gas is used for the manufacture of the Highest quality Soda-water, either in Syphons or Bottles.

THE "COMPACT" MACHINES

are specially designed for
CHEMISTS, GROCERS, RESTAURATEURS,
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 and can be used for filling Syphons, Codd's
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OCCUPY LITTLE SPACE!
ARE READY FOR USE IMMEDIATELY!
REQUIRE NO FIXING!

Produce Soda Water, Lemonade, &c., of the
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Write for Catalogue.

**A COMPLETE APPARATUS
 CAPABLE OF PRODUCING OVER
 300 DOZEN LARGE BOTTLES
 OF AERATED WATER PER DAY
 --FROM £20.**

Bottles, Boxes, Essences, and
 Requisites for the Trade at
 Lowest Prices.

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Proprietors of Galloway Bros., Bolton

**TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
 FOR QUOTATIONS apply to—**

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The Largest Makers in the Kingdom.
BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

Orders Wanted for—

GLASS BOTTLES about 8 oz. capacity and over, such as
LIMES, KALIS, PROVENCE OILS, MEXICANS,
WIDE FLATS. Also 100 oz. Pale Green Winchesters.

AMPOULES are getting very scarce, all tubing being taken by the French Government. Give us your orders at once. Bottle-shaped 1 cc. in Stock.

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THE CHEMISTS' BRAND.

The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

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as INSETS in the

WINTER ISSUE

OF

THE CHEMIST & DRUGGIST

TO BE PUBLISHED ON

JANUARY 29, 1916

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and further particulars to

The Publisher, "The Chemist & Druggist,"

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Anorganically Phosphated Milk Product
prepared under strict scientific control.

A Reconstructive Nerve Food
MADE IN ENGLAND

NUTRIENT, RESTORATIVE and ACTIVATING

Effectively replaces the
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INDICATIONS :

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Breakdown, Insomnia and Neurasthenia.

Fixed Retail Prices : 1/-, 1/6, 2/6, 5/-. Wholesale Prices : 8/6, 12/9, 21/-. 42/- per doz.

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A GOOD LINE FOR CHEMISTS.

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SHOWCARDS FREE.

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Wholesale and Export Drug Merchants,
Manufacturing Chemists

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Invite the Trade to take up the following valuable
P.A.T.A. Protected Lines, bearing a very large Pro-
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known and valued by the Public in many parts of
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	Protected Retail Price.	Dozen Net.
* LOSALL'S SALT (well advertised), tins	6d.	3 6
* " " " " " "	1/-	7/-
* " " " " " bottles in cartons	1/6	10/6

* Losall's Salt sells so well, surely it
must pay Pharmacists to stock such
a big profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin
soap, especially suitable for use in Eczema } 1/- 8/-

Chemists requiring effective advertising matter for
Losall's Salt, &c., will, on application direct to
Lofthouse & Saltmer, receive a liberal supply of
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account open with the Firm.

50 Gold Medals and other Awards, including 2 Grands Prix,
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Sufferers from DIABETES
should INSIST upon having

BRUSSON JEUNE

THE ONLY PALATABLE
& WHOLLY ASSIMILABLE

GLUTEN BREAD

FOR

DIABETES, OBESITY, INDIGESTION,
GOUT AND RHEUMATISM.

Recommended by the Medical Profession.

SOLD by all STORES, BAKERS & CHEMISTS.

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'WELLCOME' BRAND

(Trade Mark)

Chloroform

This pure Chloroform will fulfil all your requirements and those of your medical clients.

Supplied to the retail as follows:—

Bottles of 2 oz. at 1/1 each
 „ „ 1/4 lb. „ 1/6 „
 „ „ 1/2 lb. „ 2/5 „
 „ „ 1 lb. „ 3/10 „

Hermetically-sealed tubes

30 c.c. at 10d. each
 60 c.c. „ 1/1 „
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An ideal anæsthetic. Perfectly free from impurities, notably those which depress the heart and irritate the respiratory organs. Contains that small yet definite proportion of ethyl chloride which has been found beneficial in Chloroform anæsthesia.

Bring to the notice of medical practitioners
 'Wellcome' Chloroform in hermetically-sealed tubes

Burroughs Wellcome
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Esvach Water is not a mushroom product—it has a fifteen-year-old reputation.

EXTRACTS FROM TWO
RECENT LETTERS
FROM PHARMACISTS.

"Re Esvach . . . one of my most discriminating customers who had previously used * * * * * [a leading Hungarian water] asked me whether he might return what he had of the latter, as he found the Esvach acted better and suited the patient better. . . . I shall recommend it whenever I have an opportunity."

A. C. McC.

"Esvach Water is now being prescribed by the five leading doctors in this place."

E. A.

BUY ONLY

ESVACH WATER

FOR

HABITUAL
CONSTIPATION

INDIGESTION

URIC ACID
ATTACKS
associated with
RHEUMATISM
& GOUT

BILIOUS ATTACKS
& SLUGGISH LIVER

DOSE
A Wineglassful
before Breakfast

ESVACH WATER
ALL-BRITISH
APERIENT
Star & Cross Brand

BEST, SAFEST AND
MOST AGREEABLE

TO BE OBTAINED FROM
ALL CHEMISTS
PRICE, 1/-

ESVACH WATER
DOES NOT
GRIPE
IS CERTAIN
IN ITS EFFECT
IS OF GUARANTEED
PURITY & CONSTANCY
OF COMPOSITION.

Sold in Improved
Screw-Stoppered
Bottles

Price 1/-

ALL-BRITISH APERIENT

STOCK ESVACH WATER

RETAIL P.A.T.A.

1/-

PER DOZEN

7/-

An attractive coloured Show-stand (as illustrated) and other advertising material supplied free on request.

NOTE.—Owing to the scarcity of amber glass, Esvach Water is now sent out in green glass bottles.

THE BRITISH DRUG HOUSES, LTD.,
Graham St., City Rd., London, N.



A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is the leading journal addressing the Chemical, Drug and allied trades in the British Empire and other countries in the Old and New Worlds. It has a larger paid subscription circulation than any other Drug Trade Journal, and is the official organ of nineteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

Subscription ros. a year in advance. Postal orders and cheques to be crossed "Martin's Bank (Limited)." Terms for advertising can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C.

Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).

Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Summary of Leading Matters.

We continue the second series of the particulars of expired patents, and indicate if there are in force any trade-mark rights relating to the inventions (p. 52).

Germany is suffering from a shortage of copper and rubber, judging by the decrees which have been issued by the military authorities (p. 41). Austria has no rubber for many ordinary uses (p. 40).

We give some official details of German brutalities to pharmacists in Belgium, which would be incredible if it were not for the accumulated and well-authenticated evidence that these outrages are mild compared with hundreds of others committed by the enemy (p. 50).

The obituary this week contains particulars of the career of Mr. S. P. Boyd, of Dublin, and two Australasian veterans who had British pharmaceutical qualifications (p. 46). Among the wills recently proved is that of the late Mr. J. C. Eno, who left property valued at 1,611,607l. (p. 52).

The British Empire and its Allies have entered into the second year of the European War for liberty and justice. The anniversary was signalled by church services and patriotic meetings. We review the effect the war has had on the supply of raw materials to this country (p. 48).

The legal reports in this issue deal with several interesting points under emergency legislation. The position of Belgian companies, under the Trading with the Enemy Act, has been decided by the Court of Appeal. The export of optical instruments and potassium sulphate was in question in two other cases, and there is a difficult question involved in cheques cleared on account of Germans (p. 42).

Holiday influences have affected the chemical and drug markets this week, and there are few changes. Export inquiries continue good, but they can only be partially filled. Crude iodine has been advanced by 17 per cent., and all iodine compounds follow the rise. Quinine is $\frac{1}{2}$ d. dearer and in good export demand. Guaiacol carb., vanillin, and phenacetin have been further advanced (p. 58).

European War.

A Year Ago To-day.

(War News in "C. & D.," August 8, 1914.)

The section "European War" was commenced in the above issue four days after war against Germany was declared by the British Government. The section was headed with a motto for the British drug-trade—namely,

"Keep cool, be economical with everything you buy and sell, and help the country by not yielding to the temptation of profiting yourself in the time of the Nation's trial."

Two pages were devoted to the war, and included an article on the position of wholesalers and retailers in British pharmacy, the special Army Order by the War Office calling for dispensers for the R.A.M.C. at 6s. per day and bounties, a letter by Mr. H. E. Belsher (Walsall) on "What can chemists and their assistants do?" exclamations prohibiting the exportation of warlike stores from Belgium, Germany, and the United Kingdom, besides personal and miscellaneous items, and finishing with a note on how to make acetanilide.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—CICERO.

FORTY-SIXTH LIST.

FARQUHAR, Private W. (lately with Paton & Finlay, pharmaceutical chemists, Bruntsfield Place, Edinburgh), 3rd Lowland Field Ambulance, R.A.M.C.

GRAY, Private G. C. (lately with Mr. A. F. Dawson, chemist, Deanhaugh Street, Edinburgh), 3rd Lowland Field Ambulance, R.A.M.C.

JOHNSTON, Private W. C. (lately with Mr. W. W. Brown, chemist, Haymarket Terrace, Edinburgh), 3rd Lowland Field Ambulance, R.A.M.C.

LONGMUIR, Private A. (lately with Mr. George Somerville, chemist, South Clerk Street, Edinburgh), 3rd Lowland Field Ambulance, R.A.M.C.

MCGILL, D. (lately with Paton & Finlay, pharmaceutical chemists, Bruntsfield Place, Edinburgh), 3rd Lowland Field Ambulance, R.A.M.C.

MOORE, Lieutenant W. (lately with Mr. F. Jones, chemist, Folkestone), "The Buffs."

PERCY, Lieutenant HARRY FORTESCUE (second son of Mr. T. B. Percy, chemist, Truro), Royal Wilts Yeomanry. Lieutenant Percy has been appointed an aide-de-camp on the Staff.

SIMMONS, Sergeant J. B., chemist and druggist, Norwiche, R.A.M.C. (T.F.). Sergeant Simmons has left for the Dardanelles.

STARK, Private F. (formerly with Mr. George Somerville, chemist and druggist, South Clerk Street, Edinburgh), 3rd Lowland Field Ambulance, R.A.M.C. (T.F.).

WILSON, Lance-Corporal F. R., L.D.S. (son of Mr. Wilson, of Decastro & Wilson, Lamb's Conduit Street, London, W.C.), Army Motor Transport. All Mr. Wilson's male relatives of military age are now serving with the Colours—one in General Botha's victorious Army.

The following gentlemen connected with Australasian and New Zealand pharmacy are serving with the Forces of the Commonwealth and the Dominion:

DONALDSON, —, chemist's assistant, Wellington, N.Z., Medical Corps.

DORZAC, CHARLES, Wellington, N.Z., Medical Corps.

DUFF, —, chemist's assistant, Wellington, N.Z., Medical Corps.

HANCOCK, —, chemist, Eltham, N.Z., Medical Corps.

KANE, O. (lately with Sharland & Co., Wellington, N.Z.).

KING, OLIVER (lately manager to Mr. L. McKenzie, Wellington, N.Z.).

LEVICK, PERCY M., chemist and druggist, N.S.W., Reinforcements, 1st Australian General Hospital, A.M.C.

RHODES, VICTOR (lately assistant with Mr. Woollams, Auckland, N.Z.).

WILLIAMSON, —, chemist's assistant, Wellington, N.Z., Medical Corps.

MR. E. F. HARRISON, B.Sc., F.I.C., has been transferred from the Sportsmen's Battalion of the Royal Fusiliers to the Royal Engineers, and has been gazetted lieutenant for general service.

RIFLEMAN S. A. PARKES, King's Royal Rifles, son of Mr. G. J. R. Parkes, chemist and druggist, of The British Drug Houses, Ltd., has been wounded, and is in hospital in France. We are pleased to be able to report that he is progressing favourably.

War Anniversary.

The anniversary of the declaration of war by the British Empire has been celebrated all over the Empire by services of intercession and enthusiastic public meetings, which have brought out in a striking manner the determined attitude of the whole nation to fight the good fight for liberty and justice. The King and Queen attended a service in St. Paul's Cathedral, London, on August 4, when the vast edifice was filled from end to end, and thousands waited outside anxious to unite in intercession. In the evening the London Opera House was crowded with an audience desirous of showing their unabated confidence in the ultimate victory of the Allies. Mr. A. J. Balfour, First Lord of the Admiralty, and Sir Robert Borden, Prime Minister of Canada, were the chief speakers. At the conclusion the following resolution was passed amid scenes of incredible enthusiasm:

That on this anniversary of the declaration of a righteous war this meeting of the people of London records its inflexible determination to continue to a victorious end the struggle in maintenance of those ideals of liberty and justice which are the common and the sacred cause of all the Allies.

Notices as to Exports of Chemicals, etc.

FRANCE.—The "Journal Officiel" for July 18 contains a Ministerial decree which abrogates the provisions of the decree of February 12, 1915, in virtue of which pitch of resin (brais de résine), pine and fir resin, colophony, and oil of turpentine were allowed to be exported from France, without special authorisation, when consigned to the United Kingdom, the British Dominions, Colonies, and Protectorates, Belgium, Japan, Montenegro, Russia, Serbia, and the United States.

RUSSIA.—The Russian Consulate-General, Bedford Square, London, W.C., announces that certificates of origin for goods sent from the British Empire to Russia will be certified free of charge from August 1.

Respecting the Rights of Neutrals.

The Foreign Office on August 3 issued correspondence which has passed between the American Ambassador and Sir Edward Grey on British Prize Court procedure in cases where American interests may be involved. The Ambassador made a charge of unwarrantable interference with the trade of neutrals based on the case of the United States steamer *Niebo*, on a voyage from Rotterdam to America with a general cargo. She was detained in the Downs. Mr. Page describes the circumstances, and concludes: "My Government feels that it must insist upon the rights of American owners to bring their goods out of Holland in due course in neutral ships, even though such goods may have come originally from the territories of a country at war with Great Britain." In his reply, Sir Edward Grey points to the practice of the German Government to sink neutral as well as British merchant vessels, irrespective of their destination or the origin of their cargoes, "without proper regard or provision for the safety of passengers or crews." In broad declaration of the attitude of this country towards neutrals he says that "there will be no substantial interference with the trade of neutral ports except in so far as they constitute ports of access to and exit from the enemy territory." He adds: "There are at this moment many neutral ports which it would be mere affectation to regard as offering facilities only for the commerce of the neutral country in which they are situated."

Belgian Doctors' and Pharmacists' Relief Fund.

The following subscriptions have been received this week from pharmacists: Anonymous (R. C. C.), 2s.; Pharmaceutical Society of New Zealand (per C. W. Nielsen, Registrar), 16/1.; Northumberland Pharmacists' Society (per G. R. Patterson), 1/1.; Warrington pharmacists (collected by J. S. Hill), 7s. 12s. 6d. Subscriptions may be sent to Mr. W. J. Uglov Woolcock, 17 Bloomsbury Square, London, W.C.

Assistants' Motor-ambulance Scheme.

Mr. James Aspell, chemist and druggist (care of Mr. A. E. Hobbs, Ph.C., Tunbridge Wells), who is organising honorary secretary of a scheme for providing by the pharmacists' assistants a motor-ambulance for the use of the troops at the Front, sends us the following list of subscribers:

Bath: Students of the School of Pharmacy, per Mr. David J. Williams, 3/10s. Blackpool: Assistants, per Mr. E. P. Swift, 18s. Brighton: Assistants, per Mr. J. J. Loughran, 4/1. Cheltenham: Pharmacists, per Mr. H. B. Clark, 1/11s. Coventry: Assistants, per Mr. C. H. Welton, 1/1s. 6d. East Coast: Some assistants, per Mr. F. Weight,

12s. 6d. Edinburgh: Assistants, per Mr. E. O. Rowland, 2/11s. 6d.; per Mr. Lockerbie Thomson, 3/18s. 6d. Folkestone: Assistants, per Mr. Frank C. Jones, 3/13s. Hoddeston (Herts): Mr. J. Haylar, 5s. Hull: Assistants, per Mr. J. Oliver, 6/17s. Lancaster: Assistants, per Mr. Albert Lea, 2/19s. Leicester: Assistants, per Mr. F. W. Goodess, 3/10s. Liverpool: Staff of Bain & Co., 6s.; Assistants and Students School of Pharmacy, per Mr. H. E. Harriman, 6/16s. London: Allen & Hanburys, Ltd., 1/1s.; Association of Women Pharmacists, per Miss N. Renouf, 2/2s.; The British Drug Houses, Ltd., 5/1.; Burroughs Wellcome & Co., 2/2s.; Chemists' Assistants' Association, per Mr. W. Roberts (President), 5/1.; Duncan, Flockhart & Co., 1/1s.; Evans Sons Leecher & Webb, Ltd., 2/2s.; "Friend," 1/1s.; London College of Pharmacy Students, per Mr. C. W. Gosling, 2s. 15s.; S. Maw, Son & Sons, 5/1.; Oppenheimer, Son & Co., Ltd., 1/1s.; Mr. E. R. Pearce, 10s.; staff La Pharmacie Française, per Mr. D. R. Webb, 2/1.; School of Pharmacy Students, per Mr. S. Hall, 2/5s. 6d.; Mr. Seymour, 2s. 6d.; Warrick Bros. and Pharmaceutical Staff, 2/2s.; Westminster College of Pharmacy Students, 1/19s.; G. S. V. Wills and P. H. Woodnoth (Principals), 1/1s.; H. S. Wilkes (of Savory & Moore's), 10s.; Wright, Layman & Umney, Ltd., 2/2s. Nottingham: Mr. J. Smith, 1/1. Ruham: Mr. G. Mawer, 5s. St. Marychurch: Mr. C. W. Collins, 5s. Sheffield: Mr. Claude Wm. Affleck, 10s. Singapore: Mr. D. Timms (The British Dispensary), 10s. 6d. Stroud: Mr. G. A. Hayes, 2s. 6d. Sutton (Surrey): Assistants, per Mr. S. W. Corden, 1/2s. 6d. Tunbridge Wells: Assistants, per Mr. J. Aspell, 3/16s.

Miscellaneous.

SERBIAN RELIEF FUND.—Mr. William Bates, 50 Oxford Street, Southampton, desires to acknowledge subscriptions to this fund from Mr. F. E. Bilson, Bournemouth, and Mr. Jas. Keeble, East Liss.

WAR WORK.—At Aberystwyth several male and female students are engaged at the Edward Davies Chemical Laboratory in making chemicals used in pharmacy for the Government. The work is done voluntarily, the only contribution from the Government being the necessary raw material.

CHEMISTS' AID REQUIRED.—The Society of Chemical Industry has received a letter of thanks from the Ministry of Munitions for War for the offer to place the organisation of the Society at the service of the country for any useful purpose during the war. The Society is also asked whether it would be able to furnish at short notice a reliable and complete statement as to the possible sources of supply of particular chemical products, and also to keep the Government informed, from the manufacturers' point of view, of difficulties arising from time to time as respects labour, materials, transport, and so forth, which may be interfering seriously with the output of essential chemical products.

SMOKELESS POWDER.—The claim of Mr. Walter F. Reid to be the inventor of smokeless powder having been disputed in one of the daily papers, Mr. Reid writes: "I have the original report in which I announced my discovery to the directors. Those directors wrote and published in every paper of importance in the country the following statement: 'The manufacture of the (E.C.) powder will be conducted by Mr. Walter F. Reid, F.C.S., chief chemist of the Explosives Co., Ltd., to whom the company is indebted for the acknowledged excellence of this powder.' 'The Times' of May 8, 1893, refers to 'E.C. powder, which is the invention of Mr. Reid.' The 'Daily News' of May 7, 1893, says: 'Mr. W. F. Reid, chief chemist and manager of the works and inventor of the "E.C." powder, gave a brief description of the explosives to be tested.'"

COTTON AS CONTRABAND.—On August 4 the Manchester City Council passed a resolution calling upon the Government to declare that cotton is contraband of war. Mr. McLachlan, who introduced the resolution, admitted that the question was an unusual one for the Council, but his reply was that they were living in unusual times. Cotton is leaking into Germany, and Ministers of the Crown have declared that they are not satisfied with the present position by which cotton reaches Germany through Holland. It has been said that the Germans could replace cotton with wood pulp, but to do that they would have to alter every kind of rifle used in Germany—an impracticable idea. The new American cotton crop will be ready in another month, and unless the Government does its duty there will be a long line of cotton-laden ships from America to Denmark, Holland, and other neutral countries. Mr. McLachlan urged the Government to buy up the surplus cotton crop and store it until the end of the war. In seconding the resolution, Alderman Cater stated that the figures showed that the cotton that goes into Germany does not go for the manufacture of textiles, but for the manufacture of munitions of war.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

British Medical Association.

The annual representative meeting was held at the Connaught Rooms, London, on July 23 and 24. Mr. T. Jenner Verrall, LL.D., in the chair. On account of the exceptional circumstances, owing to which the scientific meeting is not being held this year—it was to have taken place at Cambridge—the meeting re-elected Sir Alexander Ogston President, Sir Thomas Clifford Allbutt President-elect, and Dr. W. Ainslie Hollis Past-President. One of the matters under discussion was the free medical attendance upon the dependants of men serving with the Forces, which it was proposed should be discontinued after July 31. The suggested abandonment of the scheme was, however, negatived, as it was agreed that it is only the abuse of the privilege which requires to be stopped. The Chairman informed the meeting that in a few weeks the War Register of Medical Men would be a record of 75 per cent. of the practitioners of this country. It was suggested that a special fund should be established for the purpose of helping those practitioners who have been serving in the Army and Navy. A proposal was discussed to form a London Committee of the Association on the lines of the Irish and Scottish Committee, but it was decided that the matter should be discussed first by the Metropolitan Counties Branch. A report of the Council on "Professional Secrecy" was also before the meeting, and similar conclusions to those of the Royal College of Physicians, London, were arrived at (*C. & D.*, July 31, p. 128). A resolution was passed instructing the Council to take all necessary steps in pressing for legislation on the lines of the report of the Select Committee on Patent Medicines. The following motion was also carried:

"That the profession notes with alarm the disturbance of the probable sickness incidence of insured persons owing to the withdrawal of healthy lives by enlistment in the Army, with the probable return of many unhealthy lives into the insured classes at a later day; and also the reduction of advances of grants by the Insurance Commissioners to the different Insurance Committees."

Mr. E. B. Turner, previously Deputy-Chairman, was elected Chairman.

Society of Apothecaries.

We have received from the Secretary of the Society of Apothecaries of London the following list of candidates who were granted the Certificate of Qualification to act as an assistant to an apothecary in compounding and dispensing medicines at the Assistants' Examination of the Society held in London on July 26, 28, and 29:

Alderton, F. M.	Harvey, L. E. M.	O'Reilly, F. C.
Appleyard, D.	Hickman, P. M.	Palmer, D.
Aveling, D. M.	Holbrook, O. M.	Pearson, C. E.
Banks, M. E.	Hosson, E. S.	Pendle, S. B.
Beattie, M. J. B.	Hurst, D.	Phipps, A. M. G.
Binns, E. M.	Image, K. R. I.	Pollard, M. A.
Britton, D. M.	Inger, N.	Price, H. E.
Broomhall, M. G.	Jenkins, H. G.	Pruen, K. L.
Budd, S. G.	Johnson, F. M. M.	Redding, M.
Burton, T. M.	Julius, M. E.	Ritling, O. M. E.
Calvert, F.	Kilmister, O. E.	Saw, M. W.
Clarke, D.	King, J. M. B.	Scott, J. J.
Clemes, L. M.	Kindon, B. H.	Somerset, D.
Davies, E. F.	Kirby, E. M.	Spooner, A. P.
Davis, H. M.	Kirkpatrick, M. M.	Squire, D. L.
Drake	Lambert, F.	Starmer, F.
E. H.	Legg, E. K.	Steabben, M. B.
Draycott, E.	Leigh-Clare, J. L.	Stevenson, J. B.
Duke, M.	Lempriere, D. L.	Thomas, E.
Durant, V. M.	Lewis, B.	Tomlinson, E.
East, K.	McCombie, H. M.	Veitch, K. L.
Fleming, G. J. S.	Mansell, A. H.	Vigers, J. N.
Ford, E.	Moore-Bell, M.	Wardill, M. J.
Goulding, R.	Morris, C. E.	Ward, C. M.
Graham, F. M.	New, A. M.	Woods, A.
Grummitt, E. M.	O'Connell, C.	Yapp, D.
Hancock, V. C.		

Institute of Chemistry.

The following is the pass-list of the examinations of the Institute of Chemistry recently held in London, Glasgow, and Dublin: Of eleven candidates who pre-

sented themselves for the Intermediate examination, seven passed: C. E. Corfield, A. Hancock, T. Hopkins, B.Sc. (Lond. and Wales), J. McLeod, J. Ogilvie, B.Sc. (Edin.), Agnes Shore, and A. Stewart, B.Sc. (Glas.). In the examination in general chemistry for the Associateship (A.I.C.), E. R. Taylor, A.R.S.M. (Lond.), passed. Of twenty-four candidates who presented themselves for the Final (A.I.C.) examination, sixteen passed: In the branch of mineral chemistry: E. Arundel, B.Sc. (Lond.); in the branch of organic chemistry: G. M. Bennett, B.A. (Cantab. and Lond.), B.Sc. (Lond.), A. J. Boyd, R. C. Denington, H. Hepworth, B.Sc. (Lond.), I. Hopper, A.R.C.S.I., G. L. Hutchison, B.Sc. (Lond.), C. H. Lumsden, B.Sc. (Lond.), J. W. Porter, A.R.C.S.I., and S. H. Tucker, B.Sc., A.R.C.S. (Lond.); in the branch of the chemistry (and microscopy) of food and drugs, fertilisers and feeding-stuffs, soils, and water: G. A. Bracewell, P. Cheng, B.Sc. (Birm.), A. O. Jones, C. H. Manley, B.A. (Oxon.), C. C. Roberts, M.A. (Cantab.), and S. Emsley, B.Sc. (Vict.).

Earlier Closing.

The Early-closing Association has addressed a letter to Mr. W. Brace, Under-Secretary of State for the Home Department, Home Office, Whitehall, S.W., regarding the efforts that are being made to secure a compulsory closing of shops at an hour not later than eight o'clock on three nights of the week, in which, after calling attention to the depletion of staffs caused by enlistment in the Army and Navy, the Board express the opinion that as the controversial question of compulsory closing of shops must be deferred until after the war, it is most desirable that the Government should at once prevent women being employed in shops after eight o'clock on three nights, after nine o'clock on Fridays, and after ten o'clock on Saturdays. The Board believe no opposition would be offered by members of any party to a measure embodying such reasonable proposals.

Contracts for Drugs, etc.

The following particulars regarding contracts for articles in which our subscribers are interested have been received during the week:

Manchester City Council (Electricity Department).—T. Armstrong & Brother, thermometers; J. Brooks & Co., bandages, etc.

Paddington Guardians have been recommended to settle a claim by Corbyn, Stacey & Co., Ltd. (25l. 19s. 7d.), in respect of extra cost, in consequence of the war, of drugs, etc., supplied. It is proposed to settle a similar claim of S. Maw, Son & Sons, amounting to 13s. 10d., for bottles supplied, by payment of 5s. 11d. (10 per cent. on contract rates).

Stockport Guardians.—Albert Browne, Ltd., Leicester, hot-water beds (5s. 4d. per lb.).

Woolwich Borough Council.—Brunner, Mond & Co., soda-ash (3l. 14s. 3d. per ton).

Wholesale Druggists' Warehousemen.

Negotiations with the London drug-houses still continue (*C. & D.*, July 31, Col. Supp.), one firm having received a deputation from the National Amalgamated Union during the past week with respect to the adoption of the minimum-wage scale. This has generally been agreed to with the exception of one or two minor modifications, which are to be submitted to the staff for approval. It is believed the matter will be satisfactorily settled, so far as this firm is concerned, without any dislocation. It is expected the minimum-wage will be operating in most of the London houses within the next month or two.

Midlands.

The wholesale houses in Birmingham are working at very high pressure, and even the Day of Rest has become a day of work to enable them to cope with the orders that flow in weekly.

The truss and surgical-appliances department of the business of the late Mr. Councillor Price, Bromsgrove Street, Birmingham, has been disposed of to Messrs. Needham, 40 Bristol Street. The general chemists' and druggists' section has been acquired by Mr. Lees, Deritend.

Owing to the shortage of labour and the present exceptional circumstances, the Home Secretary has sanctioned the employment of boys between thirteen and fourteen years of age in the local glass-making works. This has afforded employers considerable relief.

At Hinckley, on July 30, the members of a "Peace Society" were mobbed and their caravan and its contents set on fire. The occupants took refuge in a chemist's shop, but, owing to the violence of the crowd, they had to be hurriedly passed through the back-door.

Carriers intimate that before they can accept goods for the railway companies they must know the destination in case the railways are unable to deliver in the area to which the goods are consigned. Goods must, therefore, be fully addressed in writing, and not by marks or letters.

In an article in the "Birmingham News" on "Sea-bathing and the Complexion," the addition of cold-cream to the lady sea-bather's outfit is recommended. The cream, it is stated, should be removed after bathing by very weak vinegar and a soft cloth, or, if the skin is not inclined to dryness, a solution of borax.

In spite of the war, there was an enormous exodus from Birmingham on July 31, so great is the prosperity of the workers. Pharmacists were well occupied during the week supplying the usual medical and other holiday requisites. Very little business was done in the shops the day following Bank Holiday, although the City was full of sightseers.

Mr. John Stratford Dugdale, K.C., Recorder of Birmingham for the past forty years, celebrated his eightieth birthday on July 30. The Recorder—a Warwickshire man, and Chancellor of the Diocese of Birmingham since its foundation—is the judge who, some years ago, at the City's Quarter Sessions, decided against much scientific and technical evidence by experts, including the late Professor Atfield, F.R.S., that diluted acetic-acid could not be labelled vinegar.

The death is announced at Leamington of Mr. Joseph Ash at the patriarchal age of ninety-two. It removes one who, for considerably more than half a century, was a captain of industry in Birmingham. He was the son of Mr. Thomas Ash, a chemist and druggist in Stafford, and was born in Vauxhall Street, at a time when that now populous district was a pleasant suburb of Birmingham. At thirteen he entered his father's business which had been established in High Street. Afterwards his interests gravitated in the direction of zinc, and he became connected with the manufacture and sale of zinc plates and galvanised-iron goods.

The pharmacy of Marshall Brothers, who have been awarded the Wright's Coal-tar Soap Window-display prize of 25*l.*, is at the extreme end of Moseley village. The elder brother served his apprenticeship with Mr. F. Barlow in his old-established pharmacy in Balsall Heath, and was for some time with Mr. Poole in the jewellers' quarter before qualifying. The younger brother served his pupilage with Mr. Morris, whose pharmacy was at the "Sign of the Phoenix," and after qualifying commenced business in the shop he now occupies. His window displays—photographic, cosmetic, pharmaceutical, or chemical—are models of decorative art.

The Public Health Authorities of Birmingham have distributed from house to house handbills drawing attention to the fly peril and the part played by flies in spreading disease. This has resulted in a big demand for fly-papers and other devices for exterminating these little horrors. There has been placed on view in the Natural History Department of the Birmingham Museum and Art Gallery an exhibit illustrating the danger to health of the common house-fly. Enlarged models of the fly in all its stages have been presented by Councillor C. Cambridge, and form an interesting and striking educative feature in the Museum.

Sheffield.

Mr. C. H. Hewitt has resigned his office as Vice-President of the Sheffield Pharmaceutical and Chemical Society, but is retaining his seat on the Council.

Mr. Thomas Tildesley, Parkgate, late President of the local branch of the National Association of Medical Herbalists, has been elected a member of the Council of the Association.

Liverpool.

The Summer Issue of the *C. & D.* is conspicuous on the desks of both retailers and wholesalers.

Errand-girls are becoming common locally, the male article by no means meeting the demand.

The Pharmaceutical Society's inspectors have been active in the city of late, and their efforts have not been unattended with success.

Patriotic show-cards are prominent in the windows of pharmacists, and "comforts for soldiers" forms a line of infinite variety as to the nature of the goods indicated.

The Hon. Secretary of the Liverpool Chemists' Association (Mr. John H. Robinson) has received an unprecedented number of offers of papers of varied interest for the winter session, which opens in October.

The city medical officer of health (Dr. E. W. Hope) on August 4 issued an illustrated pamphlet on "Flies and their Dangers." Incidentally the use of formalin is recommended for the destruction of flies. "An ounce of formalin," remarks Dr. Hope, "can be purchased for a few pence at any chemist's shop."

Miscellaneous.

A RUNAWAY HORSE dashed into the window of the pharmacy of Mr. J. C. Holton, chemist and druggist, Fakenham, Norfolk, last week. Considerable damage was done to the contents of the window.

POISONS AND PHARMACY ACT.—Wimbledon Town Council has granted an agri-horticultural poisons-licence to Mr. E. C. Purnell, an employé of D. S. Thomson & Sons, The Nurseries, Woodside, Wimbledon.

GENERAL MEDICAL COUNCIL.—The autumn session of the Council will be held in the Oxford Street premises, London, as the new premises in Hallam Street will not be ready by November 2, when the meeting begins.

SCARCITY OF LABORATORY GLASSWARE.—In consequence of the scarcity and costliness of glassware, Bury Education Committee has decided to discontinue temporarily the supply of beakers and flasks to teachers for demonstration purposes.

WEST BROMWICH.—A meeting of panel chemists has been called for August 10, at 9 P.M., at Boots, Ltd., 195 High Street, West Bromwich, to consider the emergency settlement. Chemists unable to attend the meeting are asked to communicate their views to the Hon. Secretary, Mr. Kemsey-Bourne.

FRAUD ON CHEMISTS.—At Marlborough Street Police Court on July 31, Sarah E. Delf, *alias* L. Stevenson (58). "The Chestnuts," East Hagbourne, Berks, was committed for trial on a charge of obtaining by fraud on June 3 a fitted dressing-case and other articles, value 2*l.* 5*s.* 6*d.*, from Boots Cash Chemists (Southern), Ltd. Regent Street, London, W. (*C. & D.*, July 31, p. 128).

POISONING CASES.—Four deaths due to poisons have been reported during the week. Two were suicidal cases, the poisons implicated being spirit of salt and veronal. A labourer employed at the works of Chance & Hunt, Oldbury, died through inhaling fumes to which he was exposed in the course of his employment; and a child died at Montrose as a result of eating the pods of some poisonous plant.

SALE OF FOOD AND DRUGS ACTS.—The report of the medical officer of health for the City of London (Dr. William J. Howarth) for the five weeks ended July 17, 1915, indicates that twelve samples of drugs were purchased for analysis during the period under review, all of which proved to be genuine.—The county analyst to the Leicestershire County Council, reporting on samples of potash-water submitted to him recently, states that one of the samples contained no potash, another only 4½ grains of the bicarbonate per pint, and third, labelled "High-class potash-water," 30 grains per pint, which was the quantity prescribed in the B.P. 1885, the last edition in which potash-water was officially recognised. The analyst regards it as "unfortunate," in view of the variability of the quantity of potash in the waters supplied by different manufacturers, that there is now no direction in the B.P. as to the concentration of potash-water.

"A BRUSH to clean the baby's tubes" and "a Balkan plaster" were among the requests made to a Fifeshire chemist the other week.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. Michael J. Monaghan, R.D., Medical Hall, Main street, Ballybay, has been appointed to the Commission of the Peace for co. Monaghan.

The Visiting Committee of the Cork Union agreed that the temporary chemist employed at the Union be retained for a further period of three months. A motion that a chemist be advertised for was defeated.

Mr. John Beatty, Ph.C., Medical Hall, Clones, has been appointed to the Commission of the Peace for co. Monaghan. Mr. Beatty is a member of the Technical Committee of the Monaghan County Council.

The Local Government Board have written to the Local Guardians authorising them to settle the claim of the medicine-contractors for extra payment owing to increased prices during the war by a payment of 9s. 8d.

Drug-analysts' Fees.

Mr. R. F. Blake, Belfast, has been appointed drug-analyst to the Manorhamilton Board of Guardians at 7s. 6d. per sample.

Mr. Thorpe, drug-analyst, has written to the Borrisloe Board of Guardians stating that he would expect a fee of 16s. annually for acting as analyst to the Board. The Clerk said that the fee at present was 5s. per annum. He got eight samples of medicine per annum for analysis, which worked out at 12s. 6d. per sample. The Board took no action in the matter.

Welcoming the Lord Lieutenant.

Among the public bodies who have welcomed the Lord Lieutenant on his appointment is the Apothecaries' Hall of Ireland, a deputation from which body presented an address of welcome on July 31 at Dublin Castle. The address mentioned that the Hall is one of the oldest medical licensing bodies in the United Kingdom, and that many of its licentiates are now serving in the Navy and Army, while the names of others are already inscribed on the Roll of Honour.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Scottish wholesale houses are now advising customers to return empties "Hospital Empties." Special facilities are given on the railways for the through transit of cases so marked.

The report of the Drug Department of the Alloa Co-operative Society for the quarter ended June 1915 gives the following figures: Drawings, 479s. (403s. in corresponding period of 1914); trading expenses, 79s.; goods received, 443s.; net profit, 34s. 7s. 6d.; dividend, 1s. 5d. per pound. The stock and outstanding accounts on July 14, 1915, were valued at 778s.

Last week's editorial article on the National Registration Act, writes a correspondent, will prove very useful as a guide to chemists. It is now generally understood that chemists will state that they supply hospitals, etc., for the care of the wounded. Panel chemists will reply to question B in the affirmative, National Health Insurance work being a Government contract, organised and imposed by Act of Parliament on behalf of the nation. They are in a position to render further help to the country and will assuredly do so, but it is as well that replies should be uniform.

Dundee.

Local chemists made a good start on August 2 with a new arrangement for closing shops between 1 p.m. and 2 p.m. There has not been the same unanimity in the drapery and grocery trades.

I order to keep down the cost of medicines supplied to the tuberculosis dispensaries, which threatened an

increase of from 5½d. to 1s. 6d. per prescription, the Public Health Committee has decided to revert to the former system of stocking certain medicines in quantity which could be given out as required, leaving special prescriptions to be dispensed by chemists.

At a meeting of the Parks Committee of the Town Council on August 3, a letter was submitted on behalf of Mr. J. J. Donaghey, chemist and druggist, 185 Overgate, complaining of the noise and disturbance to business caused by the erection of swings for children on vacant ground opposite his premises. Besides the annoyance, there had been several accidents to the children, and he had been applied to for first aid, for which he had received no recompense. The Committee resolved to take no action, as it is a matter for the Town Council.

Fife.

Professor Herkless, the recently-appointed Principal of St. Andrews University, has resigned the chairmanship of the Insurance Committee. Professor Herkless stated that he relinquished the position with regret, but his many new duties rendered his resignation necessary.

A Fifeshire dispenser, on leave from a hospital ship somewhere near the Dardanelles, likens the ship to a wholesale house, so well is it stocked. He states that dispensers are required to assist the doctors during operations, etc., and in such work their practical and theoretical training as chemists is of inestimable value.

Pharmacists are at present engaged in "research-work" in cellar and back-shop. The Government's appeal and the individual's need have caused chemists to examine stock, with encouraging results. Crude drugs seldom used are being converted into saleable preparations, such as infusions, tinctures, liquors, ointments, etc. Sundries are being overhauled and repriced to meet the altered commercial conditions, while all old glass bottles are being used up.

Miners' diarrhoea is very prevalent in the coal districts. It is caused by drinking pit-water, and is a very painful complaint producing shivering and excessive vomiting. A sedative astringent mixture of catechu, kino, chalk, and dill-water, with the addition of ten-minim doses of tincture of opium and five-grain doses of salol, has proved very effective. The patient should be kept on milk and lime-water while the pain continues. To counteract the shivering, aromatic spirit of ammonia may be given at intervals.

Glasgow and the West.

Further well-attended sales of large quantities of lard took place at the Trades Hall, Glassford Street, this week. The lard, which formed part of prize cargoes taken from s.s. *Antilla* and s.s. *Taurus*, included the following brands: Armour, Hammond, Dolds, Rex, Kingan, North, Swift, Wilcox, Rohe, and Omaha Packing Co.

Inquiries have been made as to whether the Glasgow and West of Scotland Chemists' Association means reputed pint and reputed quart of methylated spirit to sell at 7d. and 1s. Apparently an error has been made in stating "imperial" in place of "reputed." The wholesale price works out roughly at 7d. per imperial pint.

Past and present students of the Glasgow School of Pharmacy met at the rooms of the Glasgow and West of Scotland Chemists' Association on July 27 to bid farewell to Mr. Mark Davies, chemist and druggist, demonstrator in the school, on his leaving to take up other work in London. During the evening Mr. Davies was presented with a gold watch and Albert, and Mrs. Davies with a travelling-bag, as a mark of the esteem in which he is held by the students. Mr. A. MacMillan was in the chair.

TAYLORS' DRUG CO., LTD., has opened a branch at Bridge Street, Bacup.

LAST MONTH witnessed the closing of one of the oldest-established pharmacies in the Thames Valley—that of Hopwood & Son, 17 Hill Street, Richmond. The stock and fixtures have been removed, and the premises have been let to another trade. This makes the fourth business to be closed in the district during the past twelve years of those established either in the eighteenth or the early part of the nineteenth centuries.

French News.

(From the "C. & D." Paris Correspondent.)

EXPORT PROHIBITION.—The British Chamber of Commerce, in its latest "War Bulletin," states that the following additions have been made to the list of articles prohibited for export from France: Hydrochloric acid, sulphuret of carbon, sulphuret of sodium, arsenic and its salts, phosphorated products of all kinds.

REPORT ON EXPORT TRADE.—A point of interest in connection with the report on French export trade, which was referred to in the *C. & D.*, July 24 (p. 43), is that the report was drawn up by Mr. Alphonse Michel, President of the Syndicat Général de la Droguerie Française, who is also connected with H. Salle & Co., Paris, the well-known makers of alkaloids.

COMPULSORY ILLEGAL PRACTICE OF PHARMACY.—M. Edouard Helsey publishes in the "Journal" the tale of a female resident in a Northern French town, who was taken prisoner into Germany and has since returned. During the German occupation of her native town, she says, "We had to obey all orders, even the most absurd. For instance, one day, they (the Germans) noticed there was no pharmacist in the town. There was a pharmacy, but no one there. You think, perhaps, they put in a military pharmacist? Not a bit of it. They compelled the pharmacist's neighbour—an ironmonger—to open the shop and deliver medicaments. They set a lawyer's clerk to aid the local vet. I see you don't believe me, Monsieur, but I swear it is true."

WIDOW'S RIGHTS.—The existing French law allows a pharmacist's widow to carry on her deceased husband's business for one year, on condition that she has a properly qualified manager. In view of the present war it is generally felt that to close a pharmacy of which the proprietor was killed, say, last August or September would be to inflict an injustice on his already sorely-tried widow. The Director of the Paris School of Pharmacy has approached the Minister of the Interior on the subject, and that official has decided that the legal year shall only commence on the morrow of the cessation of hostilities. M. Astier (Senator and ex-pharmacist) has proposed a special law, extending the widow's rights to the children or heirs of the pharmacist, but the expediency of such a step is discussed by many interested in the profession, and for the time being the Minister's decision remains the official rule.

THE MIDDAY REST.—The question of the midday rest, which is gaining ground on your side, is an old one in France, and it has been a standing practice for many years throughout the length and breadth of the country, including Paris, for wholesale houses, in addition to factories, to close for the midday meal, usually for about an hour and a half. In fact, one may in a general way say that the business life of France is practically suspended, except on the Stock and other Exchanges, from midday to half-past one o'clock. Retail shops have not usually adopted the closing habit, though practically doing no business from twelve o'clock to one or 1.30, but since the war all classes of retail shops, including chemists, have begun to close, many of them for two hours, and the joint-stock banks have joined in the movement owing to the depletion of their staffs. The public has readily accepted the custom, though City men who have been in the habit of doing a little shopping during this lunch hour may occasionally be inconvenienced. Everyone who knows what "minding the shop" means during the dinner-hour will appreciate the rest.

LA PARFUMERIE D'ORSAY.—The Paris firm known as the "Parfumerie d'Orsay," which has come into prominence of recent years, has gained passing notoriety as the result of a legal decision in the French courts last week. It transpires that the designation "d'Orsay" covers a partnership formed in 1903 between Mr. Van Dick, a Dutchman naturalised French, Mr. Finck, a Russian, and two German subjects, the brothers Siegfried and Sally Berg. The business was put under sequestration in December last owing to the war, and a consequence of this was

that Van Dick and Finck produced a contract dated the previous month, by which the brothers Berg made over their rights in the firm of d'Orsay to their two partners for a round sum of about 5,400/., but with payment at a remote date. The Syndicate of French Perfumers took the matter up, the conditions under which the proposed transfer was to be made not being very satisfactory in view of the "alien enemy" element. A liquidator was named by the Courts to define exactly the German interests in the d'Orsay business, and the result is that the sequestration has been maintained, and the contract for the sale of the German partners' share in the business to their associates is considered as void.

FOREIGN MEDICAMENTS IN FRANCE.—As mentioned in the *C. & D.*, July 31, Col. Supp., at the last meeting of the Paris Academy of Medicine, M. Grimbart read the report of the Committee named to examine the question of trade-marks employed for medicinal preparations of foreign origin and the measures to be taken against what is termed the invasion of France by these products. It is, of course, understood that German products are specially aimed at. The Committee, which includes the names of MM. Grimbart, Bourquelot, Mourea, and Albert Robin, has devoted a good deal of time to collecting evidence from a variety of sources, including pharmacists, chemists, manufacturers, and legal authorities. The primary object recommended is that the existing French laws should be modified with a view to giving a better control over foreign medicinal preparations. To carry this into effect the Academy voted the following recommendations of the Committee:

1. That the Law of 1857 concerning trade-marks should be modified in such a manner that no simple denomination given to a defined medicinal chemical product can become a private property for the benefit of its author. [This was voted after some trenchant and much-appreciated observations by Professor Bourquelot.]

2. That, in order to safeguard to an inventor the legitimate rights of his researches, the Law of 1844 on patents should be modified in such a manner as to allow the process of manufacture of a chemical product to be patented, even when such product is of a medicinal nature.

It is understood that pharmaceutical specialities are not included in the latter suggestion. In voting these two proposals the Academy has, apparently, partly in view to protect pharmacists from prosecution by foreign firms if, when making up a prescription containing a chemical product designated under a certain name, they deliver the product supplied by another firm of chemists under a different name. Urotropine is quoted as an example of this. It remains to be seen what view the legislators will take of these proposals. For new medicaments, the Committee makes the following proposals:

1. That lists of new medicinal preparations of recognised value and necessity should be drawn up and published in the "Bulletin de l'Académie de Médecine," under their usual name and under a simple synonym, pending their official inscription in the "Supplement of the Codex."

2. That doctors should be encouraged to prescribe medicaments under the names published in the "Codex" and the "Bulletin de l'Académie," adding the word "Codex," such as "véronal Codex" or "aspirine Codex."



ALL THAT REMAINS OF THE PHARMACIE DE LA GARE, ARRAS, AFTER A VISITATION OF GERMAN "KULTUR."

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Cape Province.

GLASS BOTTLES are the things we are short of out here, writes our correspondent. There seems to be a real scarcity of all sizes. How dependent we are on England! A crisis like this brings that fact to our knowledge fairly vividly. We hear, however, that the British glass-works are working hard to supply the requirements of the Services, which, of course, must take first place.

Natal.

ROLL OF HONOUR.—To the previous list of those connected with the drug-trade on active service in South-West Africa could be added the name of Trumpeter Fred. W. Parfitt, Urban Light Infantry.

PHOTOGRAPHIC DISPLAY.—Stranack & Williams, Durban, have in their pharmacy a fine display of enlargements from Kodak negatives. These enlargements, six in number, are in frames specially designed to suit the pictures and catch the shop-fittings. The enlargements themselves are carefully finished in sepia tone, and the effect is to enhance considerably the beauty of the pharmacy.

Pharmaceutical Society of Cape Province.

COUNCIL-MEETING was held on July 15 at the Society's rooms, Hout Street, Cape Town. There were present Mr. Froembling, Messrs. J. Sloan, J. Dell, C. G. E. Edmeades, D. K. Petersen, S. W. Hill, and W. Aitken (Hon. Secretary). The meeting was a short one. The Council passed a motion of sympathy and condolence with Mr. D. L. Petrie in the death of his daughter. Owing to the Shopkeepers Act having come into force, it was resolved that in future meetings be held at 8 P.M. instead of 9. Two new associate members were elected—Mr. Rickett (Heynes, Isthew, Ltd., Green Point) and Mr. Mohr (c/o Dr. Froembling). Mr. Edmeades proposed that a special general meeting be called at the close of the next general meeting to alter Rule 41, to read, instead of December 31, November 30.

Pharmaceutical Society of the Transvaal.

A MEETING of the Pharmaceutical Society of the Transvaal was held at the Grand National Hotel on June 24. The chairman welcomed back Mr. W. E. Hodson, the Secretary of the Society, after an absence of ten months in German South-West Africa. Mr. Hodson had evidently given every satisfaction, being promoted to staff-sergeant while at the front. Messrs. R. A. King, J. Main, and George were elected scrutineers. Messrs. F. E. Turner and H. L. Carnovsky were elected auditors, and the following gentlemen were nominated for Committee: Messrs. P. A. Barker, J. Keir, S. L. Ralling, A. Rennie, J. Christie, E. Solomon, A. Purnell, J. Braes, A. Anderson, B. O. Jones, H. Wheelton, S. J. Adcock, W. Whyte, H. M. Potter, and W. T. Simpson. Mr. W. E. Hodson was re-elected Hon. Secretary and Treasurer, after which Mr. Sowden, ex-President of the Cape Pharmaceutical Society, addressed the meeting on P.A.T.A. and other matters of interest to members. The annual general meeting of the Society took place at the Grand National Hotel on July 22.

Australasian News.

"The Chemist and Druggist" is supplied weekly to all the members of eight Chemists' Societies in Australia and New Zealand.

The Commonwealth.

THE REPORT OF THE SELECT COMMITTEE of the House of Commons on Patent Medicines was distributed to members of the House of Representatives on June 2. Mr. Finlayson, M.H.R., asked the Speaker, as it was a most valuable document, if arrangements would be made whereby copies could become available to the public. The Speaker replied that all documents are available to the public on application and on payment of a fee.

New South Wales.

A GOVERNMENT LABOUR EXCHANGE has been established by the New South Wales Government. A "Labour Exchange Supplement" is published, No. 1, dated April 1915, having been issued on June 14.

LABELLING VITADATIO.—After consideration no appeal was lodged in this case (see *C. & D.*, July 24, Col. Supp.). The case against Washington H. Soul Pattinson & Co., Ltd., was heard on June 11.

SALE OF PAIN-KILLER.—At the Court of Petty Sessions, Yass, on June 1, before Mr. A. O. Butler, P.M., Walter Eager, proprietor of the Corner Store, Yass, was charged with selling poison—a bottle of pain-killer—he not being licensed to sell poisons. Sergeant Brown, who purchased the bottle of pain-killer, told defendant that a caution had been issued about selling patent medicines containing poison without a licence. Samuel Edward Bradford, dispensing chemist, deposed that the bottle contained opium in solution. Pain-killer is a proprietary medicine, not a patent medicine. For the defence Dr. Colquhoun said the bottle of liquid contained about 13 drams with three-quarters of a grain of opium in solution. He would not hesitate to drink the lot; it might make him sleepy, but there would not be much fear of his dying from it. The Police Magistrate said he thought the terms "patent" and "proprietary" are synonymous. The evidence of Mr. Bradford as an expert pointed to the article being a patent medicine and not governed by the clause governing poisons, and he would dismiss the case. He would be willing to state a case for the Supreme Court. It is understood that the Crown Law Officers have since decided that there is no case for an appeal.

PHARMACEUTICAL SOCIETY.—The monthly meeting of Council was held on June 8, Mr. A. Wadsworth (President) in the chair. Mr. Horace Nelson Cox, Ph.C. (G.B.), Sydney, was elected a member. Mr. Wadsworth reported that the application of the Shop Assistants' and Warehouse Employes' Federation of Australia came before the Wages Board on May 23 and, subject to confirmation of the acceptance by the Federation's representatives, it was agreed to let the matter stand over in abeyance for six months. A letter was received from Mr. C. L. Butchers, Secretary of the Pharmaceutical Society of Australasia, regarding the proposed alteration in the name of the Victorian Society—viz., by adding to the name as at present the words "Victorian Section." Mr. Butchers desired the Council to express their opinion on the proposed alteration, and asked whether the Council thought the N.S.W. Society would alter its name to accord, with a view to furthering federal organisation. The Council, having discussed the matter, passed a resolution expressing the opinion that the Victorian Society should alter its name to the Pharmaceutical Society of Victoria, discontinuing the use of the words "of Australasia," and, if occasion should arise in the future, the N.S.W. Society will consider any course of federal movement deemed advisable. Mr. Wadsworth reported that he had met the two Veterinary Associations regarding the Veterinary Surgeons Bill, and recommendations have been drawn up which it is proposed to send to members of Parliament.

Victoria.

THE BRITISH PHARMACOPOEIA.—An official digest of the changes in the British Pharmacopoeia has been prepared by Dr. Sidney Plowman and Mr. A. R. Bailey in compliance with the suggestion of the Official Conference arranged by the Chief Secretary of Victoria. It was expected to be ready for distribution about July 10. At the meeting of the Pharmacy Board of Victoria on June 16 a letter was received from Dr. Edward Robertson, Chairman of the Board of Public Health, suggesting the inclusion in the digest of a complete posological table with the old and metric weights and measures. Mr. Bailey said that he had conferred with Dr. Plowman on this matter, but it had been found impossible to draw up a table on the lines indicated on account of the limited space available. A table of equivalences had been inserted which, it was thought, would meet the case.

REGISTRATION OF MANAGERS.—Additional regulations under the Medical Act of Victoria which deal with the registration of managers of pharmacies, branch shops, and dispensaries, came into force on May 26. They refer to the manager of any pharmacy or chemist's shop, or branch pharmacy or dispensary, and require the manager himself, and also the proprietor, or the committee of management of a dispensary, to notify the Registrar of the Pharmacy Board of the name and address of the manager on his appointment. The manager must also notify the Board on ceasing his employment, and the proprietor or committee of management must notify any fresh appointment, subject to a penalty of 10*l*. Further, the name of the registered pharmaceutical chemist employed as manager must be exhibited in legible characters on the outside of the premises, or in a conspicuous place in the shop-window of such premises, so long as the manager is there employed.

India and the East.

(From the "C. & D." Correspondents.)

BUSINESS CHANGE.—Dey Bros., wholesale and retail chemists and druggists, have removed from 48 Fraser Street, Rangoon, to 32 Mogul Street, Rangoon.

BUSINESS locally (writes a Bombay correspondent on July 10) is very quiet, but chemists in the hill stations report "business as usual," owing to so many people spending leave in India instead of going home.

JAPAN TO MAKE SALVARSAN.—The Japanese Government has decided to undertake the manufacture of salvarsan. This decision is the result of recent successful experiments at the Tokio Imperial University and the Kyoto Imperial University, to which institutions will be entrusted the work of preparing the chemical. An annual appropriation of 7,200*l.* will be made to cover the cost of manufacture, which is to be a Government monopoly.

A. S. WATSON & Co., LTD.—The thirtieth annual meeting was held at Hong-Kong on July 3, Mr. Henry Humphreys presiding. The net profit for the year 1914 was \$101,113, which the Chairman regarded as satisfactory in view of the fact that trading receipts during the last four months of the year fell off considerably, and that they had to pay large sums for "war risks," added to which there were losses on silver and subsidiary coinage amounting to \$25,000. The report was adopted.

PHILLIPS & Co., LTD.—The report, made up to the end of February 1915, states that the European War has adversely affected and greatly impeded business since August last; but, thanks to the foresight of the general manager and his staff, these abnormal difficulties have so far affected the Bombay business to a small extent only. The profit-and-loss account shows a further loss of Rs. 14,790, incurred by the Poona branch, making a total loss in three years of Rs. 24,263. The directors, after due consideration, have decided, in the interest of shareholders, to put an end to this continued loss in Poona, and have instructed the general manager to make arrangements for the closing of this branch and sell the property. The balance of profit-and-loss account, including Rs. 11,855-8-8 brought forward from last year's account, amounts to Rs. 31,912, which the directors propose to distribute as follows: Dividend at 10 per cent., Rs. 20,000; carried forward to next year's account, Rs. 11,912; total, Rs. 31,912. The company's prospects for the current year are satisfactory. The annual meeting was held on July 3, when the report was adopted.

Italian News.

THE ERBA PREMIUM of 200 lire is now open for competition. The prize will be awarded to the best-written article on pharmaceutical or scientific subjects or original work of discovery, interest, or utility new preparation of incontestable utility in the exercise of practical pharmacy. The manuscript or specimen must be submitted by the end of the year 1915.

MARKET PRICES.—The following are notes of market prices at present current in Italy: Citric acid, though a product of Italy, has advanced in price because it is largely refined outside the country. Cinchona-bark has only risen slightly in price, and can be had at 3 lire per kilo. Cocaine has doubled in price. Phenol, guaiacol and its salts, salicylates, salol, resorcin, and all such preparations, hitherto chiefly made in Germany, have risen in price according to stocks held. Mercury and mercurial salts have risen in price, although plenty of the metal is in stock. Potash permanganate is also up in price and very scarce.

MANUFACTURE OF FINE CHEMICALS.—A good deal of correspondence is going on in the pharmacy and medical journals regarding the manufacture in Italy of those fine chemicals hitherto made chiefly in Germany. The suggestions are constantly made that all such products should be boycotted and made in Italy. The latter part of the proposition is not so easily realised, as it calls for a long educational training and the utilisation of the highest attainments for the purpose of the manufacturer. But that the Latin and Anglo-Saxon race cannot in time become even as the Germans in this field of labour is an error of which the best proof lies in that France, after a few months, has been able to organise an effective resistance against a horde of ruffians backed by forty years' organisation. As with France, so with Britain and with Italy and Russia.

Austrian News.

ENCOURAGING SUBMARINE WARFARE.—An Austrian pharmacist, Mr. E. Swiatkowski, of Szczakowa, offered 500*l.* to the crew of the first submarine to destroy an Italian man-of-war. This has been awarded to the submarine that sank the Italian cruiser *Amalfi* in the Adriatic. The same pharmacist has promised a further premium of the same amount for the next exploit of this kind.

SCARCITY OF SPIRIT.—In order to have at disposal a sufficient quantity of spirit for technical and industrial purposes and to prevent a considerable advance of the price, on very small quantities were allowed to be used for drinking purposes in Austria till the end of July. On spirit for industrial purposes no duty has to be paid. The Excise duty on potable spirit has been advanced by 20 hellers per litre of alcohol, making it 70 hellers per litre. The measures have been taken in order to increase the revenue of the State and to prevent the founding of new spirit distilleries from speculative motives. The increase in revenue is estimated at 12,000,000*l.* annually. The price of denatured spirit has been lowered by 10*l.* At present the price of potable spirit is 276*l.* per hectolitre, of undenatured spirit for industrial purposes 117.5*l.*, and of denatured spirit 92*l.*

SCARCITY OF MEDICAMENTS.—According to a decree of July 15 of the Minister of Commerce and the Minister of the Home Department, the use of the following medicaments for the manufacture of pharmaceutical preparations is only allowed as far as stocks are concerned which were already in possession of the owner at the moment of the publication of the decree: Opium alkaloids (morphine and codeine), cocaine and its salts, natural and synthetic camphor, Peru balsam and its artificial substitutes, castor oil, hydragric, ipecacuanha and senega-root, wool-fat, lanolin, bismuth salts, iodine and iodides, bromine and bromides, boric acid and borates. The above-mentioned prohibition of manufacture of pharmaceutical preparations does not apply to the official galenicals and preparations mentioned in the last edition of the Austrian Pharmacopoeia, nor does it apply to the preparation of sterilised hypodermic solutions, capsules, and tablets which contain the above-mentioned substances in divided doses unmixed with other active substances.

CAPTIVE PHARMACISTS.—After the taking of Przemyśl on March 22 about thirty Hungarian pharmacists were made prisoners by the Russians. The "Reichsverband der ungarischen Apothekerassistenten" asked the "Fédération Internationale Pharmaceutique" in the Hague to try to get these pharmacists employed in the pharmacies carried on for the benefit of prisoners of war. The Fédération addressed itself to the Pharmaceutical Societies in Petrograd and Warsaw, which promised to assist in attaining the object if the names of the pharmacists concerned were made known to them. In pharmaceutical and daily papers the "Reichsverband der ungarischen Apothekerassistenten" now asks for the names and other particulars regarding Hungarian pharmaceutical prisoners of war in Russia. In this connection it is interesting to note that, following the lead of German and Austrian pharmaceutical societies, the Hungarian Pharmaceutical Society "Magyarországi Gyógyszerész Egyesület Elnöksége" informed the Board of the Fédération Internationale Pharmaceutique on July 5 that it does not desire to remain a member of the Fédération any longer, because of the "hostile disposition of the nations."

LIMITATION IN THE USE OF RUBBER.—With regard to the extreme scarcity of rubber in Austria, many requests have been directed by Austrian firms to the German Foreign Office for permission to export rubber from Germany to Austria. The German Foreign Office, however, has and the Austrian Embassy in Berlin to let the firms concerned know that no permission for exportation of rubber from Germany can be granted. At the same time, the German Foreign Office urges the Austrian sanitary authorities to economise on rubber wherever it is possible, and to use of substitutes for the manufacture of various articles whenever this can be done. The Austrian Ministry of Commerce has communicated to the Home Department in Germany the use of rubber for the manufacture of several objects used in sick-nursing has been prohibited. Rubber gloves, for instance, cannot be dispensed with in operations, but they need not be used when dressing wounds. Nurses of patients suffering from contagious diseases may not wear rubber gloves, as cotton gloves are quite suitable for that purpose. Air-cushions can be made of Japanese paper, and cushions of fabric filled with wood-wool, etc., can be used in place of air-cushions. Ice-bags can be made of waxed cloth or a similar substance.

German News.

SPIRIT PRICES.—The price of spirit in Germany is 100m. for 100 litres. It has advanced by 11m. since February 27.

PATENTS IN GERMANY.—According to a decree of the Imperial Chancellor of July 2 no patents will henceforth be granted to Englishmen, Frenchmen, or Russians. Patents that have already been granted to such persons can be partly or totally revoked.

DR. HUGO SCHULTZE, scientific contributor of the "Physikalisch-Technischen Reichsanstalt," was killed in action recently in the neighbourhood of Lemberg. He was thirty-seven years old, and had published important communications regarding argon and helium.

TOLUOL AND GLYCERIN.—The military authorities in Münster i/W. issued a decree on June 30, according to which stocks of chemicals, etc., which are used in the manufacture of margarine will be commandeered. Toluol and glycerin are mentioned among these chemicals.

FIRES IN GERMANY.—To such a pitch has incendiaryism reached in German manufactories, that in several districts the authorities have decided that the punishment for wilful incendiaryism will during the war be death, or a minimum imprisonment for ten years where mitigating circumstances can be brought forward.

PROFESSOR DR. W. NERNST, Director of the Physico-chemical Institute of the Berlin University, has been awarded the Iron Cross of the first class. This decoration is intended as a mark of honour to German chemical science, which has rendered such valuable services to its country both on the battlefield and in combating "the English starvation-war."

DISPENSING OF VERONAL.—In Germany pharmacists and physicians appear to be in doubt as to the restrictions on the supply of veronal. The Minister of the Home Department of Saxony has therefore called the attention of the pharmacists in the kingdom to the fact that veronal may only be dispensed on a doctor's prescription. By a decree of 1907 only pharmacists were allowed to sell the drug. In 1908, however, its unrestricted sale by pharmacists was also prohibited, and since then it may only be dispensed according to a doctor's prescription.

PROFESSOR DR. PROSKAUER, who has since 1906 been Director of the "Untersuchungsamt für hygienische und vererbliche Zwecke" of Berlin, died on July 24, aged fifty-four. He was a pupil of A. W. von Hofmann. In 1877 he received an appointment in the Kaiserl. Gesundheitsamt, and in 1880 he became chemical collaborator of Robert Koch. Professor Proskauer has published important studies on disinfection, hygiene, etc. A new arrangement has been made for the public-health service of Berlin and successor of Professor Proskauer will not be appointed.

GERMAN CHEMICALS.—Some of the German papers are militant at the fact that neutral countries and the Allies are obliged to pay largely increased prices for pharmaceutical chemicals which are only made in Germany. It is stated, however, that some neutral countries, which are permitted to receive quinine and other drugs on condition that these are not to be re-exported to the enemies of Germany, are nevertheless selling them, at a great profit, to the Allies. In case it is proved to be true, the permission for exportation to neutral countries will certainly be revoked, states the "Apotheker Zeitung."

SCARCITY OF RUBBER.—All existing stocks as well as manufactured products of rubber, gutta-percha, balata, and caoutchouc have been commandeered by the military authorities in Germany. The ordinance which has been published includes in the schedule caoutchouc in all forms, such as rubber solutions, waste rubber, articles of dress, bicycles, asbestos and asbestos articles, surgical and other articles. All sorts of surgical articles are especially mentioned in this decree, such as rubber gloves and shoes for operations, Röntgen gloves and plates, rubber gloves for technical and electrotechnical purposes, bandages for wounding, etc.

EXPORT PROHIBITIONS.—According to a decree of the Imperial Chancellor dated July 11, the exportation from Germany is prohibited of casein, soup-spices, soup and with tablets, vegetable meat extract, extract of malt and other malt preparations, photographic paper, and plates and films that have been exposed. The exportation of sodium salts from Germany is also prohibited. In the decree of prohibition of exportation of June 24 the word "benzoin-compounds" is to be substituted by "Salts of lizic acid."—Another decree of July 27 prohibits the transit of natural magnesium carbonate, burnt and not

burnt. The previous prohibition of transit of this article was revoked on May 29.

MEDICINAL PLANTS.—The cultivation and collecting of medicinal plants have been much recommended of late in Germany. Brückner, Lampe & Co., Berlin, have called attention to this matter in their recent trade report. The report states that as Germany is in the habit of importing from foreign countries many drugs, such as lime-flowers, elder-flowers, arnica, sage, narcotic plants, and many other roots and seeds, though they grow wild in Germany itself, the Government should insist upon the collecting of wild-growing medicinal drugs in Germany itself. This opinion has found an echo in the Prussian "Medizinalverwaltung," which calls the attention of the Government to the matter and insists upon the pharmacists taking it in hand, by promoting the gathering and drying of drugs and parts of medicinal plants in their own districts and buying what the population has collected for their own laboratories or for exchange with other pharmacists. Görlitz is the first town in Germany where the gathering of lime-flowers has been ordered officially. This has also been done in Frankfurt a/O. The Frankfort Municipality manifested its interest in the cultivation of medicinal plants two years ago by placing about one-third of an acre of land at the disposal of the Frankfort pharmacists for experiments in the cultivation of medicinal plants. About 250 plants are cultivated in this garden now. The principal purpose of the garden has always been to make the pharmaceutical apprentices acquainted with the drugs, but now experiments are to be made in the cultivation on a large scale.

MANUFACTURE OF YEAST.—Owing to the suggestion of the Prussian Minister of Agriculture, the Imperial Chancellor has secured for the State all methods, patented or otherwise, for manufacture of yeast. This measure concerns yeast used in bread-making, as well as yeast destined for conversion into human or animal food. The methods for manufacture will be put at the disposal of all existing yeast-manufactories, and the "Verein der Spiritusfabrikanten in Deutschland" has been entrusted with the duty of giving full particulars of the processes to all manufacturers who ask for them. For this purpose a new department of the "Verein der Spiritusfabrikanten" has been founded, called the "Hefestelle," of which Dr. Hayduck has been appointed director. Since Dr. Delbrück made his communications regarding the growing of yeast on sugar and inorganic nitrogenous substances, experiments have been made so as to make it suitable for human food. Professor Dr. M. Schottelius has occupied himself with this question, and has now succeeded in producing a food-yeast in the form of a powder of a light-brown colour, resembling oat flour, and free from taste or smell. The powder is insoluble in water, and consists of characteristic yeast-cells which are somewhat shrivelled. According to a communication to the "Institut für Gärungsgewerbe," the food-yeast consists of 54 per cent. of albumen, 7 per cent. of ash, 3 per cent. of fat, 28 per cent. of nitrogen-free extract, and 8 per cent. of water.

COMMANDEERING OF COPPER.—The "Apotheker Zeitung" of July 24 contains the text of a Prussian decree, which compels owners of copper articles, instruments, etc., to enter their stocks with the authorities in cases where the total weight exceeds 150 kilos. Registration had to be made on July 27 at midnight. The decree applies to everybody who has copper articles in his possession, equally as a dealer in the articles or as having them for use in manufactories. The following instruments are some of those mentioned in the decree: Electro-chemical and electro-metallurgical installations; electric ovens, baths, etc.; distillation and extraction apparatus, retorts, kettles, and other vessels of the kind; cooling and warming installations, cooling-tubes, etc.; smaller objects, such as pans, dishes, autoclaves, water-baths, drying-baths, plugs, stopcocks, etc. Where firms have branch establishments in the same district the stocks must be entered for all branches, and taken as being the quantity belonging to one firm. Branch establishments in other districts are treated, however, as if they were independent firms. Exceptions are made of—

- Articles in possession of one person or firm of which the total weight is less than 150 kilos.
- Articles which contain less copper than 10 per cent. of their total weight, but only in case the quantity of copper of each single object does not exceed 1 kilo.
- Measuring-instruments, medicinal and scientific apparatus, and instruments used in teaching.
- Objects of art.
- All articles imported from foreign countries after the time the decree came into force.

The use of copper obtained from any of the articles above-mentioned for other than war-purposes is prohibited. The decree concerns pharmacies which have large copper laboratory-apparatus.

Legal Reports.

Trade Law.

Insensitive Scales.—At Kidderminster on July 30, Hannah Huntley, described as a chemist, was summoned for having unjust beam scales in her possession on July 20. Defendant was represented by her assistant. Mr. Vaughan, inspector of weights and measures, said defendant's dispensing scales did not make a turning movement till 4 grains were put on one side. This pattern of scales became obsolete in 1912. It was stated for the defence that the scales were not used for dispensing. Mrs. Huntley was fined 10s., the scales being confiscated by order of the Court.

Export of Potash-salts.—Hollinghurst & Co., Ltd., 112 Fenchurch Street, London, E.C., were summoned at Hull on July 23, by the Customs authorities, for having had brought to Hull for exportation to America 35 tons of potassium sulphate, the exportation of which is prohibited. It was stated that the potash was put on board a sloop at Goole and taken to Hull, where it would have been transhipped to America had a licence been obtained. Mr. H. W. Owen, for the defence, called evidence to show that when it was found that no licence could be obtained the order was countermanded. The summons was dismissed, but the prosecution asked the Magistrates to state a case.

Libelling Professor Schuster.—In the Chancery Division on July 30, a perpetual injunction was granted in the case of Schuster v. C. Arthur Pearson, Ltd., to restrain defendants from continuing to publish an article in "Pearson's Weekly" in which plaintiff was libelled. Defendants, who apologised, offered to pay the costs of the action and give fifty guineas to the British Red Cross Society. By consent the motion was treated as the trial of the action. Professor A. Schuster, who is one of the Secretaries of the Royal Society and President of the British Association, was, in the libel complained of, stated to have had a wireless apparatus seized by the police, and the article insinuated that he was a German spy, which statements were shown to be quite untrue.

Leaving Without Notice.—In the City of London Court on July 29, before Judge Rentoul, Stephen T. Green, Albion Buildings, Aldersgate Street, sued one of his late assistants, named Thorne, for 1l. 1s., damages for leaving his employment before the expiration of notice previously given. Plaintiff employed defendant at a salary of 22s. a week. Defendant gave a week's notice on Saturday, June 19, but left on Monday. Defendant, who said his age was seventeen, told the Court that his other employers had "sacked" him at a moment's notice, and that was why he behaved as he did towards the plaintiff. Judge Rentoul: That is where you were wrong. You had no right to go away as you did. All the plaintiff can do is to find out your next employer and tell him the trick you have played on him. You must pay 5s. a month.

Export of Optical Instruments.—At Bow Street Police Court on July 29, Sidney Solomon Lawrence, of Lawrence & Mayo, opticians, New Oxford Street, London, W., was summoned for sending to the West Central District Post-office for despatch to Egypt three parcels, containing in all eight compasses other than ships' compasses, the exportation of which was prohibited by Proclamation on February 3. Mr. Simpson, prosecuting, said the defendant's company had been previously warned for sending by post binoculars and naval telescopes. The defendant explained that he went to India in October last and did not return to London until the end of February. On the way back he called at the firm's branch in Cairo, and found they were wanting compasses for the Australian and New Zealand troops. He telegraphed to London for some to be sent, not knowing of the Proclamation. All the eligible employees of the firm had joined the Army, and the despatch of these goods was entrusted to a lad, who did not know that they ought not to have been sent out of the country. The Magistrate imposed a fine of 50l.

B., B. & Co. Preparations in India.—At the High Court, Bombay, before the Hon. Mr. Justice Macleod on July 6, in the matter of Burgoyne, Burbidges & Co., manufacturing chemists and druggists, London, by their constituted attorney in Bombay, Mr. M. K. Shah, v. the Alembic Chemical-works Co., Bombay, the plaintiffs' counsel, Mr. N. H. Moos, asked for a rule for injunction and for an interim injunction restraining the defendants from using on bottles of similar sizes, and the same get-up, labels, bands at top with circular ends, and the placing of the initial letters "B.P.," which is an abbreviation for the words "British Pharmacopœia," as in the plaintiffs' labels,

on bottles containing tinctura cardamomi composita and other drugs. The use by the defendants of the article objected to, added counsel, was likely to lead unwary buyers into the belief that they were buying the plaintiffs' genuine drugs, which in fact was not the case. It was true that since the institution of the proceedings the defendants had undertaken not to use the labels and the general get-up of their compound tincture of cardamoms, but what about the similar imitations of wrappers and labels used by the defendants on the packages of other drugs? This would have put the plaintiffs to a great loss, and they asked for an injunction and accounts, or, in the alternative, for Rs. 5,000 damages. The defendants had written to say they would not appear in court, in order to avoid unnecessary costs, but it was found necessary to apply for a process of the Court, so that in a case of making default the defendants could be held liable for contempt of Court, which they would not be under the undertaking they had given out of court. In terms of the notice of motion, interim injunction and rule were given.

Paying Germans.—In the City of London Court on July 30, Judge Atherley-Jones, K.C., heard a case in which Gillette Safety Razor, Ltd., 332 St. Saviour's Road, E.C., Leicester, sued Treliving & Smith, hardware-factors, 100 and 101 Minories, London, E.C., for 20l. as drawers of a cheque, dated August 1, payable to Huser & Clauberg, order, and endorsed by them to H. Koopmann (all Solingen, Germany) and by Koopmann to the plaintiff Mr. G. W. H. Jones, for the defendants, said although the amount claimed was only 20l., there was two million pounds involved, as the 20l. cheque was one of several issued by the defendants to German traders just before the war started. These were all now coming in. Defendants had put the money up to meet them, but the Board of Trade had declined to tell them if they could safely pay them. All the English banks are stopping cheques endorsed to Germans. If the defendants paid the cheques sued on they might get a month's imprisonment simply for paying the debts. A German cheque had been intercepted somewhere in Brussels two months after the war started, and it had got into the plaintiffs' possession. Mr. Marriott said that the plaintiffs were an American company and they carried on business in, among other places, Leicester. They supplied in July 1914 razors and blades to the order of Koopmann, who was carrying on business at 50 Rue Franklin, Brussels. The orders were executed, some from Paris, some from Leicester, and some goods were sent direct to customers who were trading either in Paris, Belgium, or Holland. In no way were they sent to Germany, nor was the money, when paid, sent to Germany. Judge Atherley-Jones, K.C., said he could not hold that the cheque sued on was tainted with anything illegal. There was no evidence to show that plaintiffs knew it was to benefit an enemy. He found for the plaintiffs, with costs. Defendants had defended the case in perfect good faith.

A Chemist's Estate.—At Truro County Court on July 27, Judge Gent heard an application by S. Maw, and Sons, druggists' sundriesmen, Aldersgate Street, London, E.C., for an administration order in the estate of the late W. H. Bucher, chemist and druggist, Roseawen Street, Truro. Mr. E. L. Carlyon was for applicants, and, in reply to the Judge, said, according to defendant, there is virtually no estate in existence, but there is a sum of money realised by the sale of the business. He thought it certain the estate would not be solvent. Mr. Bucher died on January 5, 1914, and his will was proved on February 25, 1914. The estate was valued at the date of death at 785l. 11s. 3d., the liabilities were estimated at 633l. 6s. 3d., leaving a balance of 152l. 5s. Mrs. Bucher, the executrix, thought it would be in the interests of the creditors to carry on the business, and had done so for eighteen months, with disastrous results. The present liabilities are 600l., and would probably be a bit more, and the business had recently sold for 271l. 16s. 6d., and from that had to be deducted an amount of 57l. 2s. 4d. due to Mr. Cannon, who bought the business, for wages as manager, and 71l. 5s. 4d. to the landlord, which left 143l. 10s. 10d. as the only assets. Some shares had been mortgaged to the bank to meet an overdraft. The book-debts at the time of Mr. Bucher's death were valued at 228l. 10s. 11d., and had been sold for 71l. 16s. 6d., and the stock, valued at 532l. 4s. 2d., had been sold for 14l. Mr. Hancoczek, for the executrix, said there is a question which must be decided as to the rights of the creditors of the deceased and the rights of the executrix for an indemnity for debts incurred by her for the purpose of the realisation of such assets as remained undisposed of. The debts at the date of death amounted to 633l. 6s. 3d., and the executrix paid sums from time to time to merchants on account of debts, reducing them to 274l. But for the purposes of administration she had incurred fresh debts, represented by some of the stock which had recently been sold, and which

had been mixed with the assets of the deceased. There could be no question of wilful default. Mr. Hancock added that this was a case of misfortune. The lease of the premises expired at Lady Day next, and, contrary to expectation, Mr. Bucher was not able to obtain a renewal; therefore he lost the goodwill, which was a good asset, and also the value of the assets there—stock which would take some time to sell in dispensing. His Honour granted the order, with an order for payment into court of such moneys as there now in the executrix's hands.

Position of Belgian Companies.—In the Court of Appeal July 30, judgment was given in the case of the *Société anonyme Belge des Mines d'Aljustrel (Portugal) v. Anglo-Belgian Agency, Ltd.* This was an appeal from a decision of Mr. Justice Younger, and raised questions as to the position within the Trading with the Enemy Acts and the proclamations relating to trading with the enemy of the plaintiff company, which is incorporated in Belgium. The registered office and chairman of the company are in Antwerp, but some of the directors are carrying on business on behalf of the company in London. Mr. Justice Younger held, first, that the plaintiff company is not an enemy of the King at common law, and is entitled, therefore, to sue; secondly, that the plaintiff company is not entitled to relief in respect of the defendant company's refusal to honour cheques drawn by the plaintiff company; and, thirdly, that the plaintiff company is entitled to an injunction restraining the defendant company until trial of a further order from making any return under Section 3 of the Trading with the Enemy Amendment Act, 1914, and Section 2 of the Trading with the Enemy Amendment Act, 1915, of any property held or managed by the defendant company for or on behalf of the plaintiff company. The defendant company appealed against the first and third of these decisions, and the plaintiff company cross-appealed against the second decision. The Court dismissed the appeal and allowed the cross-appeal. The parties agreed to treat the hearing as the trial of the action, and the plaintiff company did not press for an injunction, but was content with a declaration of its rights. Lord Justice Arrington, delivering a judgment with which the Master of the Rolls and Lord Justice Pickford agreed, said a proclamation issued on September 9, 1914, defined an "enemy country" as the territories of Germany and Austro-Hungary. This company was incorporated according to the laws of Belgium, which for the purpose of that proclamation was not an "enemy country." Did the proclamation of February 1915 alter the state of things? That proclamation applied the proclamations to territory in friendly occupation as they applied to our territory or that of our allies, and to territory in "hostile occupation" as they applied to an "enemy country." A clear distinction was drawn between "hostile occupation" and "enemy country." That part of an Ally State which is in "hostile occupation" is not "enemy country." The proclamation did not say that that part of a friendly country which is in "hostile occupation" should be deemed to be "enemy country," but the proclamations were to apply to it as they applied to "enemy country." It was contended that in the present case, having regard to the extent of the occupation of Belgium by the German army, Belgium must be substantially treated as in "hostile occupation." In his opinion the Court is not entitled to say that. At the time when the proclamation was issued practically as much of Belgium was in "hostile occupation" as now, and it could have been perfectly easy if that had been the desire of His Majesty to express that in the proclamation. On the contrary, the proclamation carefully distinguished between that part of Belgium which was in "hostile occupation" and the part treated as "friendly country" or an "ally State." Could the plaintiff company be said to be incorporated in a "hostile" territory? In his opinion that is impossible. It is incorporated in that State which gave it its position as a corporate body—not in a part of that State, but by and under the laws of Belgium and in Belgium. The company could not properly be described as an "enemy" for the purposes of the two proclamations. Accordingly the Court declared that for the purposes of the proclamations and the Acts, or any of them, the plaintiff company is not to be treated as an "enemy" company, and that no notification of returns ought to be made under Section 3 of the Trading with the Enemy Amendment Act, 1915. As it was a friendly action, no order was made as to costs.

"THE CHEMIST'S DICTIONARY OF SYNONYMS AND TRADE NAMES."—Uniform with the "Chemist's Dictionary." Consists 220 pages. Price 2s. 6d. net, by post 2s. 8d., from the D. Book Department, 42 Cannon Street, London, E.C., leading wholesale houses.

Limited Companies.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

B. ATHA, LTD. (P.C.).—Registered on July 27, with a capital of 500*l.* in 1*l.* shares, to take over (1) the business of a disinfectant manufacturer carried on by B. Atha at 29A Kirkstall Road, Leeds, and (2) the business of disinfectant manufacturers carried on by Lena Atha and S. Atha at the same address as the "Sol Vol Co.," together with the benefit of certain contracts relating thereto. The first directors are B. Atha (managing director and chairman), Lena Atha, and S. Atha (all permanent).

THOS. GUEST & CO., LTD. (P.C.).—Registered on July 27, with a capital of 10,000*l.*, in 1*l.* shares (3,000 preference), to take over the business of a wholesale and export manufacturer of medicated lozenges, jujubes, citrate of magnesia, saline preparations, and confectionery carried on by T. Guest at Piercy Street and Carruthers Street, Ancoats, Manchester, as "Thos. Guest & Co." The first directors are T. Guest (governing director, special qualification 500 ordinary shares), F. Marland, and E. A. Balmer (all permanent). R.O., 92 Carruthers Street, Ancoats, Manchester.

Company News.

SPRATT'S PATENT, LTD., have declared an interim dividend of 1*s.* per share, less income-tax, on the ordinary shares.

THE UNITED ALKALI CO., LTD., announce an interim dividend of 7*s.* per share on the preference shares in respect of 1915, and also the payment of 3*s.* per share, arrears of interest due in 1914.

Trade-Marks.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with the Registrar of Trade-Marks, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C. The prescribed time is one month from the date of the Journal in which the application has appeared; but the period may be enlarged by the Registrar, if he thinks fit, and upon such terms as he may direct. Formal opposition should not be lodged until after notice has been given by letter to the applicant for registration, so as to afford him an opportunity of withdrawing his mark before the expense of preparing the notice of opposition is incurred. Failing such notice to the applicant, an opponent may not obtain an order for costs.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1915, p. 435.

(From the "Trade-marks Journal," July 21, 1915.)

- "LITAS"; for medicine (3). By Katherine L. Lidington, 40 Coverdale Road, Shepherd's Bush, W. 368,192.
- "ACIENDA"; for flavouring essences and powders (42). By Gordon, Walker & Co., Ltd., Warple Way, Acton Vale, W. 367,578.
- "SPA-INARIS"; for an aerated drink (44). By Ward & Sons, Albion Brewery, Market Street, Swinton. 366,778.
- "FARRIS" on label device with crown, etc.; for a natural mineral water (44). By Aktieselskabet Norske Mineral-kilder, Trøschows Gate 2, Larvik, Norway. 367,857.
- "HUMANITY"; for goods (47), and for perfumery, etc. (48). By J. Knight, Ltd., Silvertown, London, E. 367,663/4.
- "VERMELLI"; for soap and detergents (47). By Dr. Jaeger's Sanitary Woollen System Co., Ltd., 95 Milton Street, E.C. 368,074.
- Picture of windmill; for perfumery, etc. (48). By C. Thomas & Bros., Ltd., Broad Plain Soapworks, Bristol. 367,665.
- "PANZARI POT POURRI"; for pot pourri (48). By P. Hart & Co., 14 Paul Street, Finsbury, E.C. 367,895.
- "ZOKA"; for tooth paste and powder (48). By White Band Manufacturing Co., Ltd., 121 Selsdon Road, South Croydon. 367,990.
- "ISCAL"; for hair-preparations (48). By R. Fursman, 22A Queen Street, Exeter. 368,100.
- Picture of buffalo, "COB" with picture of nuts, "THREE PENGUINS" with picture of same; for perfumery, etc. (48). By G. W. Goodwin & Son, Ordsall Lane Soap-works, Manchester. 368,207/8/9.

Pharmaceutical Society of Great Britain.

Council-meeting.

THE monthly meeting of the Council held at 17 Bloomsbury Square, London, W.C., on August 4, only occupied twenty-five minutes, the celerity with which the business was concluded being due to promptness and the system of supplying the members with printed or type-written copies of the various reports of Committees. A communication was received from the Pharmacy Board of South Australia regarding the possibility of the admission of Army compounders to the Register of Chemists and Druggists. It was on similar lines to the letter received at the last meeting from the Pharmacy Board of Victoria. The Scottish Board of Examiners submitted a scheme for dealing with the division of the Minor examination. The communication, which was unexpected, was referred to the English Board. It was resolved to allow the use of the Society's premises as headquarters of the Pharmacists' Volunteer Training Corps. The Benevolent Fund Committee recommended ten grants amounting to 174*l.*, this being a little more than usual. The suggestion that a deputation should wait on Mr. Walter Long, the President of the Local Government Board, regarding the grant of badges under the National Registration Act to pharmacists engaged in Insurance-dispensing, was stated by the Board to be unnecessary, as the matter is being considered by an Advisory Committee. No action is to be taken at present to remove the names of alien enemies from the roll of honorary and corresponding members. The report of the adjudicators on the award of the Hanbury medal was received, Mr. E. M. Holmes being the recipient of this honour on this occasion.

THE Councillors present were: Mr. E. White (President), Mr. E. T. Neathercoat (Vice-President), and Messrs. F. E. Bilson, A. S. Campkin, W. G. Cross, J. H. Cuff, W. L. Currie, F. J. Gibson, R. L. Gifford, J. P. Gilmour, A. Hagon, J. Harrison, J. Keall, L. M. Parry, F. A. Rogers, P. F. Rowsell, F. P. Sargeant, T. A. White, and J. R. Young.

ELECTIONS AND RESTORATIONS.

THE PRESIDENT mentioned that Mr. W. H. Gibson and Mr. J. F. Harrington were too unwell to be present.

The minutes of the previous meeting were then read, and the Council proceeded to elect seventy-six members and sixteen student-associates. The restorations to membership were ninety-three, and two names were restored to the Register of Chemists and Druggists. Forty-eight apprentices were registered during the month, the Secretary reported.

CORRESPONDENCE.

The Pharmacy Board of South Australia sent a communication respecting the possibility of Army compounders and Apothecaries' Hall assistants being admitted to the Register of Chemists and Druggists in Great Britain. The letter stated that in the event of such action being arranged it would be necessary to protect the interests of the Board of Pharmacy under the agreement for the reciprocal registration of certificates which exists between the Board and the British Society. The SECRETARY reported that this letter arrived two days after the last Council-meeting, and he sent a reply on the lines of the one ordered to be sent last month to the Pharmacy Board of Victoria. The substance of the reply is a recommendation that the Colonial Office be communicated with through the Agent-General.

The Board of Examiners for Scotland forwarded a scheme for the division of the Minor examination, which the PRESIDENT suggested should be sent on to the English Board. Mr. Cross asked what is the position regarding the division of the Minor, the Council having definitely postponed the matter some time ago. Mr. CURRIE asked if there was any indication as to why the report was sent. He had received no information about it at all. The PRESIDENT confessed that it surprised him to receive the report, as the present does not seem to be a suitable time to go into the matter. It was, however, resolved to send the report to the English Board Examiners.

Mr. E. J. W. Watson, one of the Bell scholars in 1914, having passed the Minor examination, asked if he might be admitted to the Major course of instruction in the School of Pharmacy. If the request is acceded to, he asked the Council to allow him to postpone his attendance for the present, as he is taking up military duties. The request was granted.

Mr. A. H. Jenkins wrote to thank the Council for giving permission to hold the inaugural meeting of the London Pharmacists' Officers' Training Corps in the Society's premises (see *C. & D.*, July 31, p. 127). The communication added that at the meeting referred to the President and Secretary were elected Hon. Presidents of the Corps. In reply to remarks by the members of Council, the SECRETARY said he took it that he was authorised to encourage the aims of the Corps and to allow meetings to be held in the Society's premises. Mr. PARRY suggested that the premises should be the headquarters of all similar organisations, as a Corps being raised in Liverpool. The PRESIDENT was understood to give his assent to the proposal.

The Torquay Pharmacists' Association sent resolutions passed at a meeting of its members protesting against any renewal of National Health Insurance dispensing contracts unless the discounting clause is omitted. The Council was also urged to continue its efforts to obtain for pharmacists exemption from the Medical Preliminary examination.

THE SECRETARY mentioned that he had received a bequest for 100*l.* from the Pharmaceutical Society of New Zealand on behalf of the Belgian Doctors' and Pharmacists' Relief Fund. The PRESIDENT remarked on the handsome sums that are being contributed to the fund by Australia and New Zealand.

FINANCE COMMITTEE.

THE PRESIDENT then presented the report of the Finance Committee. The receipts of the General Fund during the month were 3,433*l.* 12*s.* 11*d.*, made up as follows: Petties and costs, 92*l.* 14*s.* 10*d.*; "Journal," 43*l.* 17*s.* 6*d.*; "B.P. Codex," 13*l.* 7*s.*; subscriptions, 155*l.* 8*s.*; registration-fees, 54*l.* 12*s.*; restoration-fees, 6*l.* 6*s.*; certificates of qualification, 5*l.*; election of Pharmaceutical Committees, 1*l.* 1*s.* 10*d.*; ground-rents, 41*l.* 11*s.* 3*d.*; and London County and Westminster Bank, deposit and interest, 3,019*l.* 14*s.* 6*d.* After deducting the payments ordered at the last meeting of the Council and the amount paid for War Loan stock, there remained the sum of 821*l.* 7*s.* 3*d.*, from which the following amounts were recommended for payment: "Journal" and publications, 158*l.* 16*s.* 10*d.*; stationery, etc., 39*l.* 5*s.* 1*d.*; current expenses, 650*l.*; salaries, etc., 1,137*l.* 10*s.*; school and examinations, 377*l.* 2*s.* 6*d.*; law and professional charges, 119*l.* 10*s.* 10*d.*; house expenses, 81*l.* 4*s.* 7*d.*—a total of 2,563*l.* 9*s.* 10*d.* The balances on the Benevolent Fund were as follows: Current account, 450*l.* 1*s.* 3*d.*; donations account, 221*l.* 5*s.* 11*d.*; Orphan Fund, 14*l.* 6*s.* 2*d.* The Committee considered a memorandum by the Secretary on the present position of the members of the stock, and recommended the adoption of the suggestions contained therein.

The report was adopted.

BENEVOLENT FUND COMMITTEE.

Mr. ROGERS, Chairman, submitted the report of the Committee, which recommended grants to ten persons amounting to 174*l.* Mr. Rogers said the amount is 80*l.*

what larger than usual, but there are three or four larger grants included. He mentioned that donations to the fund had been received from Miss Horniblow, Llandudno, of 17. 8s., and from Mr. King, Norwich, of 11s., these being money collected at weighing-machines. Reports were also received of the progress of two orphans who are being supported by the Orphan Fund.

The report was adopted.

LIBRARY COMMITTEE.

The PRESIDENT presented the report of the Library, Museum, School, and House Committee, which recommended the payment of an account for 207. 12s. 3d. for house repairs. The report stated also that the Secretary had written to Mr. Walter Long, of the Local Government Board, asking for information as to the method of filling up the forms to be issued under the National Registration Act. The Secretary was also instructed to use any opportunity that might present itself to obtain war badges for pharmacists.

Some desultory remarks having been made as to the necessity of economy in house repairs, the report was adopted.

PARLIAMENTARY AND GENERAL PURPOSES COMMITTEE.

The report of this Committee stated that the Secretary had communicated with Mr. Walter Long, asking that a small deputation might be received in connection with the issue of some form of certificate or token for use by pharmacists who were carrying on pharmaceutical service under the National Health Insurance Act and gratuitous dispensing for the necessitous dependants of soldiers and sailors. The letter had been acknowledged, and subsequently a communication was received from the Minister stating that the suggestion put forward had been considered, and that it has been referred to an Advisory Committee which has been appointed in connection with the National Registration Act. In these circumstances the President of the Local Government Board did not think it necessary to trouble a deputation from the Pharmaceutical Society to attend at Whitehall. The Committee had also under consideration the question of the advisability of removing from the list of honorary and corresponding members certain German and Austrian subjects. After considerable deliberation it was resolved that it is inadvisable to take any action at the present time in the direction indicated. The SECRETARY drew attention to a letter from the Board of Inland Revenue respecting the payment by the Society of corporation duty, and the Committee directed that the matter should be referred to the Solicitor to the Society for report.

LOCAL ASSOCIATIONS EXECUTIVE COMMITTEE.

The Parliamentary and General Purposes report also embodied the report of the Local Associations Executive Committee, in which it was stated that the supplementary Drug Tariff for August had been approved by the Commissioners and distributed to the various Insurance areas. The SECRETARY submitted a report on the elections of the new Pharmaceutical Committees, showing the cost allocated to the various Committees, and it was agreed to ask the Committees to reimburse the Society for the amounts expended on their behalf. The Committee considered the arrangements necessary for the holding of the third conference of Local Association Delegates in October. It was resolved to recommend that the conference be held at the Holborn Restaurant on October 20; further, that the President, Vice-President, with Messrs. Cuff, Keall, Rowsell, and Wolf be appointed a sub-committee to draw up the agenda for the conference. The constitution of the committee and the suitability of its basis of election for the work it is expected to do was discussed. The Committee after full consideration, and in view of the satisfactory work which has been accomplished on the present basis of representation, resolved that it could not recommend any alteration in the constitution of the executive committee of the Local Associations conference. Certain resolutions from the London County Pharmaceutical Association relative to promoting a

greater degree of usefulness in the work of the Proprietary Articles Trade Association were discussed. The Committee agreed to act as an intermediary between the P.A.T.A. and local Pharmaceutical Associations with regard to the procedure necessary for carrying out the main object which the London Pharmaceutical Association has in view. A resolution from the Leeds Chemists' Association regarding the steps to be taken to obtain a special grant from the Government to ensure the working of the present Insurance dispensing contracts was discussed. Mr. Sargeant strongly emphasised the serious position which the resolution disclosed. He detailed some of the individual cases of hardship resulting from the changes due to the war, and asked that the case of Leeds might be made the basis of application to the Commissioners for some form of relief from what had become an intolerable burden. Mr. Rowsell supported, and several members of the Committee alluded to the fact that their own districts exhibited similar conditions to those obtaining in Leeds. The Committee unanimously resolved to instruct the Secretary to forward the strongest representations to the Commissioners, with a request that some alleviation might be offered to the chemists of the country who were suffering as a result of the circumstances complained of. The following were appointed to give evidence before the Departmental Committee on the Drug Tariff on August 13: Messrs. Leo Joseph (Cardiff), J. W. Deakin (Cheshire), F. W. Bates (Manchester), and J. Kirkpatrick (London).

The reports were adopted.

EXAMINATIONS REPORT.

A report on the recent examinations was received, which showed that in England and Wales there were twelve successful candidates for the Major and one in Scotland. For the Minor examination there were 126 successes in England and Wales and sixty-three in Scotland. Diplomas were granted to the thirteen pharmaceutical chemists who passed, the certificates to be stamped with the seal of the Society.

HANBURY MEDAL.

The report of the adjudicators on the award of the Hanbury medal was received, in which it was announced that the choice had fallen on Mr. Edward Morell Holmes. The report was signed by the Presidents of the Linnean Society, the Chemical Society, the Pharmaceutical Society, and the British Pharmaceutical Conference and Mr. E. H. Farr.

This concluded the public business.

Births.

Authenticated notices are inserted without charge.

GARNER.—At 106 Kensington High Street, London, W., on July 23, the wife of William Luscombe Garner, of a daughter (Margaret Adelaide).

MACLENNAN.—At 88 Craiglea Drive, Edinburgh, on August 2, the wife of Kenneth MacLennan, chemist and druggist, of a son.

WILSON.—At Nelson Terrace, Cuparhead Avenue, Coatbridge, on July 27, the wife of G. Clark Wilson, chemist and druggist, of a daughter.

Marriages.

Authenticated notices are inserted without charge.

DAVIES—GRIFFITHS.—At St. Cuthbert's Church, Bedford, on July 24, Goronwy Meredith Davies, M.B., B.S., only son of Mr. Hugh Davies, chemist and druggist, Machynlleth, to Caroline Mary Hoult, only daughter of Major Griffiths, R.A.M.C., Maesgroyn, Llandrindod Wells.

GAULTER—LYON.—At Pembroke, South Wales, recently, Second-Lieutenant Charles Pendrick Gaultier, son of Mr. C. R. Gaultier, chemist and druggist, Blackpool, to Maud, only daughter of Mr. S. Lyon, Church Street, Blackpool.

HUNTER—HAIR.—At the High Church, Paisley, by the Rev. John Muir, on August 3. Joseph Hunter, chemist and druggist, 120 George Street, Paisley, to Jean Kemp, youngest daughter of the late Mr. David Hair, Glasgow.

MACEWAN—BLACK.—At St. George's Presbyterian Church, Jesmond Road, Newcastle-on-Tyne, by the Rev. W. Jack, B.D., on July 31. Ian Peter MacEwan, B.Sc., second son of Mr. and Mrs. Peter MacEwan, Highgate, London, to Janet Hunter Black, third daughter of the late Mr. William Black, Lauder.

RAY—HALSTEAD.—At Longholme Wesleyan Church, Rawtenstall, by the Rev. F. Flint, on July 31. Douglas Randolph, second surviving son of Mr. and Mrs. E. R. Ray, Firleigh, Wanstead, Essex, to Alethea Mary Bracewell, youngest daughter of Mr. H. Halstead, chemist and druggist, and Mrs. Halstead, The Pharmacy, Rawtenstall.

Deaths.

Authenticated notices are inserted without charge.

BOYD.—At Dromana, Leeson Park, Dublin, on August 2, aged fifty-seven. Mr. Samuel Parker Boyd, M.A., J.P.,



Mr. S. P. Boyd.

Mr. Boyd was chairman of the directors of Boileau & Boyd, Ltd., wholesale druggists, Dublin, and very prominent in the public affairs of the city. He was a member of the Port and Docks Board and of the Rathmines Urban District Council. He took great interest in political affairs and in Church matters in connection with the Adelaide Road Presbyterian Church. When the British Pharmaceutical Conference met in Dublin in 1901,

he was a member of the Local Committee, and gave a most enjoyable garden-party in the Zoological Gardens, Phoenix Park, the occasion being also the bicentenary of the establishment of Boileau & Boyd. Mr. Boyd graduated at Trinity College, and studied chemistry at the College of Science. He took up the management of his father's chemical-works at Rogerson's Quay soon afterwards, but these works have since been acquired by the United Alkali Co. Many well-known men in the drug-trade have been connected with the historic house of Boileau & Boyd, Ltd., of which Mr. Boyd had been chairman of the directors for many years. Mr. Boyd was a Justice of the Peace for the city of Dublin. He was noted for his urbanity and courtly manner.

DAVIES.—Recently. Edith, wife of Mr. John Davies, chemist and druggist, Tonypanydy, South Wales.

DAVISON.—At 59 Prince Consort Road, Gateshead-on-Tyne. Mr. Henry Spours Davison, chemist and druggist, aged thirty-eight.

HALL.—At Thames, New Zealand, on May 24. Mr. John William Hall, pharmaceutical chemist, aged eighty-five. He was a native of Scotland, completed his apprenticeship in 1851, and passed the Major examination of the Pharmaceutical Society of Great Britain in March 1853, his residence then being in Birmingham. He arrived in Auckland in 1857 with his cousin and engaged in farming, afterwards opening a business at Thames in 1857, at a time when no other chemist was to be found within a radius of fifty miles. In 1870 he opened premises in the north end of the town and remained there for thirty-four years. In 1904 he bought out the branch business of Mr. T. A. Nicholson in Pollen Street and transferred to these premises his old business. Mr. Hall continued in business until the day of his death, enjoying good health until about a week previously, when he contracted a severe attack of influenza from which he died.

MAYNE.—At 29 Underwood Street, Paddington, Sydney, N.S.W., on June 4. Mr. James Mayne, chemist and druggist (G.B.). Mr. Mayne was born in England, and was apprenticed to Boyce & Son, chemists, Stepney, London. He attended two sessions at the Westminster College of Chemistry and Pharmacy, and passed the Minor examination of the Pharmaceutical Society of Great Britain on December 21, 1876. He arrived in Sydney in 1877 and became assistant to Mr. B. F. Bozon. Later on he began business as an analytical and pharmaceutical chemist at Oxford Street, Sydney. He was elected a member of the Pharmaceutical Society of New South Wales soon after his arrival, and of the Pharmaceutical Society of Australasia. He became a member of the Council of the Pharmaceutical Society in 1883, and at the election in 1886 he was returned at the head of the poll. As a member of the Council he was also a member of the Pharmacy Board, and remained in those positions until his resignation in 1889. He was examiner in chemistry and botany, and he originated a Bill for the incorporation of the Pharmaceutical Society, which, however, was dropped. He gave up pharmacy some years ago to devote himself entirely to analytical work.

OWENS.—Suddenly, at the Royal Infirmary, Glasgow, on August 2. Mr. R. J. Owens, chemist and druggist, Duke Street, Glasgow.

STUNT.—Suddenly, at 135 Seven Sisters Road, London, on July 31. Mr. Octavius Stunt, druggists' sundriesman, aged sixty-five.

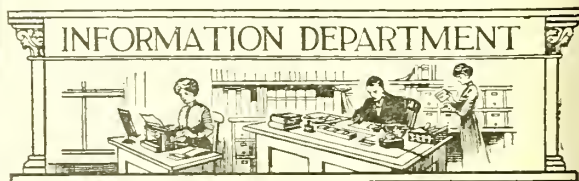
Killed in Action.

BARRETT.—Killed in action at the Dardanelles, on July 9. Frank Barrett, 5th Battalion The Royal Scots, lately employed with Duncan, Flockhart & Co., wholesale chemists, Edinburgh, aged twenty-two.

PATTULLO.—Killed in action, on April 28, Sergeant Francis Lunn Pattullo, The Royal Scots, aged twenty-five. Sergeant Pattullo was a brother of Mr. Pattullo, assistant to Mr. G. Victor Wright, chemist and druggist, Edinburgh, who is well known to Edinburgh assistants.

Died of Wounds.

WHYTE.—Died of wounds received at Dardanelles, Private Thomas Whyte, 6th Battalion The Royal Scots (attached 4th Battalion), aged twenty. Private Whyte was formerly employed by Pinkerton, Gibson & Co., Edinburgh.



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See also "War Wants Exchange" in the Coloured Supplement.

Observations and Reflections.

By Xrayser II.

The Lady Pharmacist

has come to stay, there can be no doubt of that; the question is what is to become of her now she is here? It is not a question of her competence to dispense medicines, but of her capacity for business. She will not be content with the position of assistant; have her antecedents fitted her for the control of a pharmacy? That she has all the intellectual qualities required I do not doubt, but I confess that I have never found it easy to do business with a woman. Probably the fault was mine, or partly mine and partly due to the fact that we have not yet arrived at conditions enabling us to meet women on equal terms in matters of business. There has always been the barrier of sex between us, clouding and confusing our relations, and making complete mutual understanding difficult. We shall overcome this in time, I suppose, but I regret the necessity. I am an old fogey, no doubt; I find it hard to give up the sentimental point of view, and (to speak frankly) I have too often found women take advantage of this fact. They will deal as keenly as any man, and then expect consideration on account of their sex. I know that in saying this I am risking a storm, but truth will out. Now there is no place for sentiment in business; can we afford, can women afford, to ignore it? That barrier of which I spoke is half the secret of our mutual attraction; in life, as in art, perspective counts for a great deal—distance lends enchantment. Already women have grown harder and tougher than they were; are they yet tough enough to give and take—especially to take—the hard knocks one cannot avoid in business without flinching? And is it desirable that they should be? That is the question. After all, I am afraid I can only answer it in the affirmative.

Free Dispensing of Medicines

to the dependants of men at the Front did great credit to the hearts of pharmacists, but I venture to think that it never appealed to their judgment. I protested at the time against the hasty way in which the scheme was rushed through, and I have since referred to its unfairness. The hard facts were required to awaken the chemist to the nature of this needless burden, and now he is beginning to be articulate. I shall be surprised if, in addition to the canny Macs who started the overture, some others do not before long join the chorus. It may not now be a simple matter to untie the halter round our necks, for we tied it there ourselves. We entered into the business voluntarily and with our eyes open, and we all felt good at the idea that we were helping a large number of deserving and destitute women and children, but the moment it was known that they were not destitute, and that they were to be very comfortably provided for by the nation, the scheme should at once have been revised and put on a sound basis. We are paying our share in this national provision, and in common equity we ought not to be called upon to pay five or ten times over, as I have no doubt some are doing. Now that we have got to the end of the first year of this dreadful war, it is a fitting time to call a halt and make some other arrangement.

The London Insurance Pharmacopœia

is in marked contrast with the Middlesex Formulary, and much more satisfactory; indeed, I have but one criticism to make upon it. The heading to page 4 is open to misconception; it classes together changes in official and in unofficial nomenclature. It is well that we should be told authoritatively that when aspirin is ordered *acidum acetylsalicylicum* is meant, or at least may be used, but it is not well that this change of name should be put in the same category as that from *ferri phosphas* to *ferri phosphas saccharatus*. This may be thought a small matter, but it is attention to small matters that make for the perfection at which we should aim. With this reservation,

the L.I.P. appears, on a cursory examination, to be unexceptionable, and the names prefixed to it are in themselves a guarantee that the work has been well done. Its superiority to the Middlesex Formulary is probably due in large part to the fact that it is the joint production of the three Committees, and has not been left to the unaided wisdom of the Medical Panel. Be this as it may, it is certain that such co-operation ought always to be sought in the compilation of a book for the guidance of both prescribers and dispensers.

Pluck and Enterprise,

according to Professor Laurie, are all that is needed for taking advantage of the "great opportunity during the war" to improve existing products, to scrap old plant and fit up modern plant, and to start the manufacture of new articles never before manufactured in this country. Not having seen the Professor's whole argument I do not know exactly how he intends to carry through his programme, which is, in vulgar language, a rather tall order. He may appreciate the difficulties, but there are thousands of others who adopt his same style of address who have not the faintest conception of what they would be up against were they to attempt to put their arm-chair notions into practice. There are other things than pluck and enterprise wanted, of which I may mention such common or garden things as time, men, and money. The very fact that there is an absence of German competition has led to the great majority of our chemical-factories being overburdened with work, and there is no opportunity to refit at present. Even if there were, where is the Professor going to get the mechanics to do the refitting? Every skilled mechanic is fully employed as it is, and thousands more could be employed, if we had them, in work which for the moment is infinitely more important. Then if we had the men, what about the money? Comparatively few companies have resources at their command that could be applied for such a purpose, and at the moment the Government is restricting the issue of calls for fresh capital, some very important undertakings already far advanced being much hampered on this very account. We all agree with the spirit of Professor Laurie's appeal, but the history of the starting of the dye-industry in this country on an enlarged scale, if nothing else, ought to show the difficulties in front of schemes of this airy character.

Sir James Murray

has not lived to see his great work "to the end," but he has died with the end well in sight. Though there is a suggestion of weariness in the phrase in which he expressed his wish, no sign of it appears in his latest work on the Dictionary, which is in every respect up to the level of the first. The ten years in which, when he began, he hoped to see it completed have stretched to thirty-six, during the whole of which time he laboured, with brief holidays, from twelve to sixteen hours a day, undaunted and untiring. Probably no man ever worked harder or longer at any single task demanding so many qualifications. No wonder that sometimes he was a little impatient with over-officious persons, a failing upon which so much has been said that I may be allowed an anecdote showing that if he suffered from that last infirmity of philological minds, an irritable temper, he knew how to make amends for an occasional rudeness. A suggestion of a friend of mine made in answer to an inquiry in a well-known paper for more light on the origin of our national nickname, "John Bull," drew from him a curtly contemptuous note. We might (he said) as well refer to the Second Book of Samuel for the origin of "Brother Jonathan" as applied to the United States. Fortunately I was able to make good the point by a long list of references, and not only was the note made the basis of the article on the subject in the Dictionary, but Dr. Murray handsomely acknowledged his error and apologised to me both publicly and in private. I ought doubtless to have given references at the first; to such a conscientious worker as he anything that looked like guess-work would naturally be anathema. It will detract from our satisfaction at the completion of the Dictionary that he will not be here to receive our congratulations.



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Editorial Articles.

After One Year of War.

I.—The Supply of Raw Materials.

On August 4, 1914, Great Britain declared war on Germany, because of the violation by the latter of the neutrality of Belgium. War came with great suddenness, hastened by the "infamous proposals" for neutrality which Germany made to this country, and which no honourable nation could entertain for a moment. A year has passed, and although the war is still being carried on, the present is a suitable time to review its influence on the drug-trade. There are, first, the general effects affecting the industries of the country as a whole, such as labour scarcity, difficulties of transport by rail and sea, the checks to trade due to the prohibition of the export of chemicals and drugs required as war-material, financial stringency, and high rates of exchange. Labour scarcity has been caused by the recruiting of the young men of the country in the new armies, and in the drug-trade the scarcity of assistants which this has caused is accentuated by the difficulty which has been experienced from various causes for some time in obtaining labour in pharmacy. Transport difficulties have been caused by the use of the railways for the movement of troops and the carriage of war-material, and for the same reason a smaller proportion of the mercantile marine was available for export trade. This caused congestion of goods at the ports and railway clearing-houses. The shortage of ships also increased the cost of freight. Then there were difficulties caused by the prohibition of the export of certain goods which it was desired to retain in this country, or the delay in obtaining permits where these were allowed to be exported to the Colonies or the Allies. Financial stringency also acted as a check on trade enterprise, as did also other matters, such as the fear of infringing the Proclamations dealing with trading with the enemy. Against these difficulties has to be placed the fact that German overseas commerce has been suppressed, no German ships whatever being now on the open seas. This satisfactory result has been brought about by the vigilance of the British Navy, and it has ensured that this country receives as usual most of the raw material required for its industries, and that

British export trade can be carried on uninterruptedly. Hence it comes about that supplies of nitrates, fats and oils, metals, rubber, petrol, pyrites, cotton, wheat, sugar, and much other produce, which are necessary for the successful prosecution of the war, are being freely imported. Nitrates and pyrites are essential raw materials employed for the manufacture of nitric and sulphuric acids used in making high explosives; fats and oils are needed for the manufacture of glycerin, from which nitroglycerin is made; cotton is also essential as a propulsive explosive, metals for the manufacture of munitions, and rubber and petrol for use in motor-transport by land, water, and air. The coal-supply of the country furnishes motive-power for ships and every industry, and, by distillation, the products required in the manufacture of explosives. The demand for nitrates and sulphur for military purposes has enhanced the prices of these products in addition to the increase due to the general effects to which we have alluded. It has, however, led to the development of the nitrate-industry in India and the utilisation of other sources of sulphur. The gasworks now find it profitable to recover sulphur in the gas-purification process. Carbolie acid, benzol, and toluol are also important by-products of the gas-industry as well as of the coke-ovens, and the demand for these materials for the manufacture of explosives is being met. The price of carbolie acid, used in the manufacture of disinfectants and in surgical practice, has, however, been enhanced owing to the restriction of the amount available for the civil population. The quantities of fats and oils reaching this country has, in many cases, increased, a particular instance being the importation of large quantities of palm-kernels which formerly went to Germany. This country is the largest maker of soap, and with the plentiful supply of fats available the glycerin-supply is ensured, glycerin being the by-product of the soap-industry and essential for the manufacture of certain classes of explosives. The plentiful supply of cotton not only assures that there is no scarcity in the raw material required for the manufacture of gun-cotton, but enables the huge cotton-industry to "carry-on" and meet all demands for dressings for surgical purposes. The demand for copper, antimony, and zinc for the manufacture of cartridges and shot has resulted in an increase in price which has affected the salts of these metals employed in pharmacy. The war has, however, brought to light the fact, scarcely realised before, that the zinc-supply of Australia is controlled by Germany. The Commonwealth Government is, in consequence, taking steps to prevent this recurring again. The import of several crude drugs is now diverted to the United Kingdom, ajowan-seeds, used in the manufacture of thymol, being a good example. Steps have also been taken to remove German control of the senna-industry in Egypt, and to ensure the collection in the Protectorate of larger quantities of Egyptian henbane, the raw material used for the manufacture of atropine and hyoscyamine. Among other raw materials the supply of which is affected directly by the war are potash salts, magnesium sulphate, and bromine, these being products of the German potash-mines. Supplies of potash from India and Canada are, however, coming forward, and the manufacture of magnesium sulphate is being increased in this country, and bromine is reaching us from the New World. Bristles, the raw material of the brush-trade, largely a product of the Continent, have been advanced in price 30 per cent., this increase being in addition to the gradual rise in price from other causes

which has been in progress for the last few years. Glass is the raw material of the optical and photographic industry, and large quantities reached this country from enemy countries, or from that part of Belgium now in the occupation of the enemy. These sources of supply are now closed. The glassworks in this country are doing their utmost to increase their output to meet the demand, and the difficulty in obtaining iron-free sand, for which Belgium is famous, is being met by importing supplies from Holland. The position is, therefore, that after a year of war the importation of raw material for chemical-industries continues, with a few exceptions, in either undiminished or increased quantities. Increase in prices is often due to general causes which are not likely to be removed during the continuance of the war.

The Iodine Market.

On July 31 the Chilian Iodine Syndicate advanced the price of crude iodine by $1\frac{1}{2}d.$ per oz. to $10\frac{1}{2}d.$, the previous quotation having been in vogue since August 1913. The present advance, which comes as a complete surprise to the market, indicates that the Syndicate continues to exercise a close control of the product, and it is somewhat surprising that, although the European war has been in operation twelve months, and that the demand for iodine compounds has been greater than the supply, advantage was not taken earlier in the war to squeeze a little more out of the buyers. It may be said that iodine alone has been practically the only chemical product that has remained stationary during the war period. It would appear that very fair stocks of crude were in hand at the beginning of hostilities, but these have been gradually absorbed, and arrivals from Chile have been taking place regularly, so that there is no actual shortage of raw material, the chief difficulty of the makers of iodides being that of manufacture, owing to the shortage of labour. The present advance has led to a corresponding one in all iodine compounds, resublimed iodine having been raised to 17s. 5d. per lb. net, an advance of 2s. 3d.; iodoform is 2s. 2d. dearer at 19s. 2d. net; potassium iodide has advanced 2s. to 15s., and sodium iodide to 16s. 9d., these prices being for bottom quantities. The existing stocks of iodides in dealers' hands are a negligible quantity, so that the new schedule becomes operative immediately. The price of crude iodine has been altered on nine occasions only during the past fifteen years, as is shown in the following table:

Price per oz. of Crude Iodine.

Month	1900	1901	1904	1905	1912	1913	1915
February
March	6d.	7½d.	10½d.	...	...
June	7½d.	...	...
July	10½d.
August	7d.	...	...	9d.	...
October	9d.	...	...	...
December	6d.	...	...	...

It will be seen from the above table that the price remained unchanged at 6d. from the end of 1905 to June 1912—a drastic cut of $4\frac{1}{2}d.$ being followed by an advance of $1\frac{1}{2}d.$ in the latter year. It may be remembered that in March 1912 the disruption of the Syndicate appeared imminent, and a substantial drop was looked for. Nothing happened, however, for three months, and then the price, as already stated, was raised by $1\frac{1}{2}d.$ per oz. Meanwhile Japan has since the war sent a much larger quantity of potassium iodide, but much less crude

iodine, the latest figures (January to April) being as follows:

<i>Potassium Iodide.</i>					
		1913	1914	1915	
Kin	...	25,973	31,505	62,050	
Yen	...	151,378	204,176	460,132	
<i>Crude Iodine.</i>					
		1913	1914	1915	
Kin	...	4,820	8,377	1,185	
Yen	...	27,944	47,279	8,810	
[Kin = 1.3 lb. Yen = 2s. 0½d.]					

The Russian demand for iodine compounds has of late been largely supplied direct by Japan. Early in the war France found difficulty in obtaining supplies of iodine, and the import duties of crude and resublimed were suspended in September last, but on urgent representations from the French makers they were reimposed by decree in March 1915, as it was not desirable to leave the industry at the mercy of foreign competitors who can produce iodine at a much lower cost than French makers who depend on kelp. We understand that the harvesting of seaweed for its iodine has, since the war began, been conducted on a larger scale than for some time past, and that very fair quantities are being sent from Ireland and Norway, mostly to Scotland. Evidently much better prices are being paid to the actual workers engaged in the production of kelp, and the present value of iodine should assist in establishing the industry on a firmer footing. The scarcity of potassium salts, together with the high price of iodine, has led to hopes being entertained that a new era of prosperity is about to commence. Some time ago the Board of Agriculture for Scotland issued a report showing that during the five years 1907-11 the output was two and a half times as much as that of the ten years 1884-93. It must not be forgotten, however, that the Chilean Iodine Syndicate is in a position at any time, if so inclined, to crush competition in regard to iodine from other sources, and it is therefore only during the war that any considerable development in the kelp industry may be expected. It has been stated that if all the factories engaged in the production of Chilean sodium nitrate were to manufacture all the iodine which is the by-product of their main commodity, the amount would be well over five thousand tons per annum, whereas the world's consumption of iodine is probably not more than five to six hundred tons a year. The supply from Chilean saltpetre is therefore voluntarily curtailed by the Syndicate of producers, who maintain an artificial price. Chilean saltpetre contains an average of about 0.02 per cent. of iodine, which can be worked up at a comparatively low cost.

German Brutality in Belgium.

THE Council of the Nederlandsche Maatschappij ter Bevordering der Pharmacie (Netherlands Society for the Advancement of Pharmacy) have for some time past been active in promoting a scheme for the relief of Belgian pharmacists who have suffered by reason of the occupation of Belgium by the Germans. A scheme has been devised by which money will be advanced to Belgian pharmacists for the purpose of rebuilding or restocking destroyed and pillaged pharmacies, and a considerable sum of money has been raised in Holland for the purpose. The scheme is intended to be placed especially before all neutral nations, and in accordance with this plan the appeal of the Netherlands Society was printed in, among other papers, the "Schweizerische Apotheker Zeitung," a representative pharmacy journal

of Switzerland. Appended to the appeal were photographs of ruined pharmacies and the following list of Belgian pharmacists who have been killed or made prisoners, or whose pharmacies have been entirely or partly destroyed and pillaged by Germans:

AARSCHOT.—C. E. C. J. Vertruijen, Rue du Persée (pharmacy sacked and proprietor imprisoned).

ANDENNE.—J. Masson, Place des Tilleuls (employé killed, pharmacy pillaged); C. Guillelte, Rue du Pont (dead); Hamoir (pharmacy burnt, proprietor shot).

ANTWERP.—J. V. Bollansé, 24 Rue de l'Esplanade (pharmacy sacked and burnt); D. Janssens, 50 Longue Rue d'Arise (wrecked by two bombs).

BATTICE.—N. J. H. Simonis (pharmacy burnt).

DINANT.—Seghen (pharmacy burnt); F. J. de Saint Hubert, Grande Place (pharmacy sacked); E. Ferrage, 5 Rue Grande (pharmacy sacked and burnt); F. Panier, Rue Ad. Sax (pharmacy burnt, proprietor shot); L. H. Paquet, Rue Ad. Sax (pharmacy burnt, proprietor shot); Leon Ranwez, 138 Rue Grande, and Louis Laurent, 115 Rue Grande (pharmacies burnt).

FALISOLLE.—L. Demanet (pharmacy burnt, proprietor shot).

FLÉRON.—A. Jamsin (pharmacy burnt).

HEVLI.—Henri Julsornet (pharmacy burnt); J. Charlier, 43 Poterne (pharmacy burnt).

JEMAPPES.—A. Solbreux (pharmacy burnt).

LIÈGE.—Lespineux, Rue Chaussée du Pres (pharmacy partly sacked).

LOUVAIN.—J. E. H. Schoofs, 2 Place du Peuple (pharmacy burnt); E. de Herdt, 101 Rue de Namur (sacked); L. A. de Clerck, Chaussée de Tirlemont (pharmacy pillaged and proprietor imprisoned); A. de Koninck, 25 Rue de la Station, and Eug. Dubois, Rue van Beneden (pharmacy burnt and proprietors imprisoned); Jos. Denuf, 146 Rue de la Station (pharmacy burnt); Ch. Duez, 32 Vieux Marché (pharmacy pillaged); E. Duponcheel, 83 Rue de Diest (pharmacy burnt); Jos. Jacobs, 85 Rue des Bogards, and J. Muset, 178 Rue de Bruxelles (pharmacies pillaged); A. van der Meulen, 56 Rue de Tirlemont (pharmacy burnt); G. van Gorp, 83 Rue de la Station (pharmacy pillaged).

MALINES.—Ed. Coolen, Rue de l'Empereur (pharmacy burnt); E. Buedts, Marché au Bétail and Rechette (pharmacies sacked); J. Ledoux, Rue de la Chaussée (pharmacy burnt).

METET.—Chauvaux (pharmacy burnt).

MIDDELKERKE.—Fr. Quinet (pharmacy partly sacked).

NAMUR.—Hermann (pharmacy burnt).

SEILLES.—N. J. de Bournonville (pharmacy burnt) Dethier (pharmacy pillaged).

TAMINES.—J. Renan (pharmacy burnt, proprietor shot) Delsauvenière (pharmacy burnt and proprietor shot) L. Crousse (pharmacy burnt and proprietor shot); E. Dani (pharmacy burnt).

TEMPOUX.—E. Mauray (pharmacy burnt).

VISÉ.—Four pharmacies sacked; Moens (pharmacy burnt).

WESTENDE.—F. G. Cayphas, Avenue des Chardons (pharmacy sacked).

Elaborate precautions were taken by the Germans to prevent these particulars being collected and being sent out of Belgium, and the publication of the list has caused a furious outbreak of "hate" in the pharmaceutical papers published in enemy countries. These German papers have the effrontery to defend the killing defenceless civilians and to deny that pillaging took place. It is further stated that the reports of outrages in Belgium are "nursery-tales" which should not be credited in pharmaceutical spheres. It is quite possible that Germans do not know the horror and detestation with which the misdeeds of their soldiers are regarded by the civilised world, as it is well known that the Prussian censorship is of a very stringent character in Germany and therefore we welcome the accidental manner in which a comparatively mild account of some of these outrages has penetrated Germany. Neutral nations no less than the Allies have no misgiving on this score. The numerous special reports on the outrages which have been published by the Belgian, French, and British Governments supply plenty of authentic evidence. The Report of the Committee on Alleged German Outrages and the Appendix of the evidence, which have been published at a cheap

by the British Government, are the most fearful indictment of the brutality of Prussian militarism that has ever been printed. The Deutscher Apotheker Verein is stated to have asked the German Governor-General in Brussels to supply further particulars about the facts given in the Netherlands appeal. We regard it as a hopeful sign that some Germans refuse to believe that such outrages have been committed in their name, and we hope that when they attain access to the verified facts they will realise in some degree why it is that the world outside the Central Empires regards Germans and their much-vaunted "Kultur" with such loathing.

The Manufacture of Salvarsan.

SALVARSAN has been made in this country for some months with perfect success. We mentioned recently (*C. & D.*, July 24, p. 40) that the manufacture has been begun in Canada. We now learn that steps are being taken in Manchuria and Japan to make this chemical compound. These results seem to dispose effectually of the blatant eutonic claim that none but Germans can manufacture Salvarsan successfully.

The Science Council.

SIR WILLIAM A. TILDEN, referring to the new Government Research Scheme (*C. & D.*, July 31, p. 141), urges the necessity of the manufacturers helping in the scheme. Generally speaking, writes Sir William in "The Times," manufacturers can do this only by letting the Sub-Committees on which they will be asked to sit know what problems in connection with their trade require to be solved. If we may judge by past experience, this is what they will not do. The British manufacturer, he adds, is too satisfied with what he thinks are his trade secrets and too jealous of his competitors ever to acknowledge that he wants anything. Undoubtedly some few of the leading firms recognise the value of scientific help and provide on their own premises for the investigation of the problems which come before them in the works, but all in fact habitually use the methods of research for the improvement of their processes and products. But Sir William adds, is far from general yet, and in many cases the employees thus engaged have not had the systematic and practical education which success in their employment demands. Sir Henry E. Roscoe urges that the forthcoming meeting in Manchester of the British Association is a suitable occasion for scientific men to give expression to their views on the subject in question. Such a meeting would be in the nature of a conference of scientific experts.

The World's Supply of Potash.

The Imperial Institute has published a booklet of fifty pages which contains an account of all the more important sources of potash in the world. The potash hitherto used in this country has been chiefly derived from the enormous deposits of potash salts which occur near Stassfurt in the North of Germany. These deposits have been systematically and economically worked, and the trade so well organised that German potash, on account of its cheapness, became the almost exclusive source of the potash required throughout the world. The pamphlet is a miniature encyclopædia of the other sources from which potash is derived. Certain of these will probably only be utilised so long as the price of potash continues high, but others promise to become active competitors with the Stassfurt deposits, even when prices again fall to the usual level. The chief use of potash, generally in

the form of the chloride or sulphate, is as an artificial manure, for which purpose over 90 per cent. of the world's output is employed. But potash is also essential for numerous chemical industries carried on in this country, and for the manufacture of glass, and the present scarcity is having considerable effects on these industries. The pamphlet, which is entitled "The World's Supply of Potash," is published at 1s., post free, by the Imperial Institute, South Kensington, London, S.W.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. C. BELL has resigned his appointment as dispenser under the Nottingham Guardians.

MR. J. A. FASHANU, Martins Street, Lagos, West Africa, is the *C. & D.* subscriber who figured on page 146 of our Summer Issue.

MISS GWEN PHILLIPS, Manchester, has been appointed by the Nottingham Guardians as assistant dispenser at a salary of 100*l.* per annum.

MR. RICHARD T. SIMPSON, chemist and druggist, 60 North Road, Lancaster, has been re-elected Secretary of the Lancaster Rifle Club.

MR. WESTON POOLE, Ph.C., of Poole & Son, High Street, Newcastle-under-Lyme, has been elected a co-optative Governor of the Endowed School of the Borough.

MR. A. E. HOBBS, Ph.C., Tunbridge Wells, has been appointed a member of the Tunbridge Wells and Southborough Juvenile Employment Committee by the Kent County Education Committee.

MR. ALBERT CHARLES SEWARD, M.A., F.R.S., Hon. Sc.D., Dublin, Fellow of St. John's College, Hon. Fellow of Emmanuel, and Professor of Botany in the University of Cambridge, has been elected Master of Downing College in succession to the late Professor Howard Marsh. The researches and writings of Professor Seward have borne chiefly on the geological side of botany, but he has for some years lectured on general botany for the Natural Science Tripos, and he was until recently associated also with the teaching of biology to students of medicine. He was appointed Examiner in Botany to the Pharmaceutical Society in 1895 and held the appointment for three years.

MR. HARRY GRIFFITH WILLIAMS, chemist and druggist, the newly elected President of the Sheffield Pharmaceutical and Chemical Society, has for long been an active worker in local pharmaceutical organisations, and has twice filled the position of Hon. Secretary.

Mr. Williams was born in Sheffield in 1872, and apprenticed to Mr. Job Preston. He passed the Minor in 1894, and after obtaining experience in the South of England and in London, bought the business of the late Mr. R. Trinlows, of Upper Brook Street, Manchester. Four years later he took over the business of Mr. Turner, 118 The Moor, which he has worked up to one of the chief businesses in Sheffield. He is one of the founders and late Treasurer of the Sheffield Chemists' Buying Association, and he is also Chairman of the Sheffield Pharmaceutical Committee.



MR. H. G. WILLIAMS.

ALDERMAN C. CLAYTON, chemist and druggist, 158 Cowley Road, Oxford, is the subject of a portrait and appreciation in the "Oxford Journal Illustrated" of July 28. Councillor Clayton commenced his business career at his present address in 1832. He was a member of the old City Council, and was elected to the new City Council in 1896, being made alderman in 1908. He has served on the Education Committee since its formation in 1902, is on the Public Improvements, Library, Cemeteries, and other Committees, is Vice-Chairman of the Municipal Charity Trustees, Chairman of the Directors of the Cutler Boulter Dispensary, a member of the Oxford Board of Guardians, and has taken an active part in National Insurance work.

Inventions Which have Become Public Property.

(Second Series.)

II.

[Continued from THE CHEMIST AND DRUGGIST, July 31.]

Barutin.

Double salt of barium theobromine and sodium salicylate. Used as a diuretic.

TRADE-MARK: No. 268934, registered in 1905 by the Actien Gesellschaft für Anilin Fabrikation, an der Treptower Brücke, Berlin.

PATENT: No. 4959 of 1905, "Manufacture of Soluble Compounds of Theobromine," granted to above-named company. The patent lapsed in 1909. The following is one of the three methods of manufacture given in the specification of the patent:

Nine parts of theobromine is dissolved in a solution made by dissolving 2 parts of sodium hydroxide in 125 parts of water. To this is then added another solution prepared by dissolving 16 parts of sodium salicylate and 6 parts of barium chloride in 125 parts of water. Stand, filter, and evaporate *in vacuo*.

Bismon.

Colloidal bismuth oxide. Used for stomach and bowel troubles of children.

TRADE-MARK: None registered.

PATENTS: No. 12773 of 1903, "The Manufacture and Production of Colloidal Products Containing Bismuth Oxide," granted to Kalle & Co., Biebrich a/R. The patent lapsed in 1907. The French patent is 332980 (1903), "Procédé de Préparation d'Oxyde de Bismuth Colloïde." The methods of preparing bismon are thus given:

A. A solution of an alkaline salt of protalbinic acid or of lysalbinic acid or sodium albumose (German patent 129031 and 133589) is mixed with a solution of bismuth nitrate, and the resulting precipitate is rendered alkaline by means of dilute caustic-soda lye, and is then dialysed with water until all the inorganic products (the nitrates and free soda-lye) are removed. The residuum is then evaporated *in vacuo*.

B. The albumen compound of bismuth described in German patent 117269 (bismutose) is heated to about 90° C. with dilute caustic-soda lye, and the reaction-product is obtained by filtration and is dialysed with water, and the operations completed as aforesaid.

Blutan.

Alcohol-free solution of iron-manganese peptone.

TRADE-MARK: No. 272291, registered in 1905 by the Chemische Fabrik Helfenberg A.G. vormals Eugen Dieterich, Helfenberg, near Dresden.

PATENT: No. 202738 of 1904, "Process for the Production of a Stable Non-alcoholic Solution of Iron Peptone or Iron-manganese Peptone," granted to above-named company. The patent lapsed in 1913. The method of preparation is thus described in the specification:

In this invention the unstable combination of iron peptone or iron-manganese peptone with carbonic acid is obtained by dissolving the commercial iron peptone or iron-manganese peptone and slightly acidifying with hydrochloric acid. This solution is then cooled to 0° C. and impregnated with carbonic acid under a pressure of six atmospheres. This solution is then placed in air-tight bottles and stored in a cold place for two to three months, whereby a gradual unstable combination of carbonic acid takes place in a somewhat similar manner as with champagne.

It is stated that the solutions contain when finished 0.6 per cent. of iron and 0.1 per cent. of manganese.

Bromlecithin.

Lecithin with 30 per cent. of bromine.

TRADE-MARK: None registered.

PATENTS: No. 13285 of 1904, "Manufacture of New Derivatives of Lecithins," granted to the Actien Gesellschaft für Anilin Fabrikation, Berlin. The patent lapsed in 1915. The German patent is No. 156110.

The specification gives the following method of making a preparation containing 20 per cent. of bromine, but states that the proportion of bromine can be varied.

Ten parts of lecithin is dissolved at ordinary temperature in 40 parts of chloroform; this solution is mixed with 2.6 parts of bromine dissolved in 6 parts of chloroform, the vessel being cooled externally so that the temperature shall not exceed 10°-20° C. All the bromine having been introduced, the mass is allowed to stand for a short time; it is then filtered and the filtrate evaporated in a vacuum at ordinary temperature or with gentle heating. In order to expel the last portion of chloroform, if the evaporation under diminished pressure has not effected this, some absolute alcohol is added and the mass again exposed to diminished pressure till it is absolutely dry.

Bromocoll.

Bromine-tannin compound. Used in epilepsy, nervous affections, and sleeplessness.

TRADE-MARKS: Nos. 230737 and 230738, registered in Classes 2 and 3 respectively in 1900 ("no claim to the exclusive use of 'Bromo'") by the Actien Gesellschaft für Anilin Fabrikation, an der Treptower Brücke, Berlin. Registration renewed in 1914.

PATENT: No. 5122 of 1900, "Manufacture of New Organic Bromo-compounds," granted to above-named company. The patent lapsed in 1909. The method of making bromocoll is thus given in the patent-specification:

Tannic acid 1.5 kilo. is dissolved in 7.5 litres of alcohol and 1.5 kilo. of bromine added thereto at common temperature. The brown mixture becomes warm, and according as bromine enters into the tannin molecule slowly loses colour. Some water is then added, and while constant stirring well about 70 litres of an aqueous solution containing 1½ per cent. of gelatin is allowed to run into the liquid until no more precipitate is formed. The product of the reaction is allowed to rest for twenty-four hours; it is then filtered, washed, dried at a low temperature, and pulverised. Once more thoroughly washed and dried at somewhat higher temperature than before.

Calomelol.

Colloidal calomel.

TRADE-MARK: No. 256731 (no claim for "Calomel") registered in 1903 by the Chemische Fabrik von Heyde G.m.b.H., Radebeul, near Dresden.

PATENT: No. 19168 of 1903, "Improvements in relation to the Manufacture of Colloidal Salts of Heavy Metals," granted to the above-named company. The patent expired in 1907.

The method of producing colloidal calomel is thus given in the specification:

Five parts of peptone, albumose, albumen, gelatin, any other body of the class of the albumen is dissolved in 100 parts of water to which a solution of 1 part of sodium chloride in 5 parts of water is added, whereupon a solution of 3 parts of mercurous nitrate in 100 parts of water added with agitation. If any precipitate is formed it can be dissolved by the addition of alkali. . . . The colloidal calomel is isolated from the solution by acidulating the same, the colloidal calomel falling down as a precipitate. This precipitate is filtered off, washed, and dissolved in water by neutralising with a very small quantity of alkali, preferably caustic soda. The colloidal calomel is obtained from this solution in a solid form either by evaporation at a low temperature or precipitated by means of alcohol, and pulverising.

Captol.

Tannin and chloral condensation-product. Used in dermatology.

TRADE-MARK: None registered.

PATENTS: No. 2882 of 1898, "Manufacture of Product of a Pharmaceutical Compound," granted to Farbenfabriken vormals Friedrich Bayer & Co., Elberfeld. The patent lapsed in 1902. The German patent No. 98273 (28 8 97).

The product is made as follows:

To a solution prepared by dissolving 10 parts of tar in 10 parts of hot water 4 litres (in case the parts are by weight) of sulphuric acid (containing about 70 per cent. of H₂SO₄) is added while stirring. By means of this operation the whole of the tannin contained in the mixture is separated in the shape of a viscous paste. . . . subsequently a concentrated solution of 2.5 parts of chlorhydrate is poured into the mixture while energetic stirring, the pasty precipitate being thus re-dissolved. The resulting solution is heated with occasional stirring several hours at from 70° to 80° C. After a while the pulverous precipitate begins to separate which by and increases. Finally, the whole liquid is transformed into

greyish-brown pasty mass. When the reaction is finished (which will be in about ten hours) the precipitate is separated from the liquid by filtration and by subsequently washing the residue remaining on the filter with cold water. Finally, this residue, which represents the new condensation-product, is dried at low temperatures.

Chinosol.

Oxychinoline potassium sulphate. Disinfectant and antiseptic.

TRADE-MARKS: Nos. 220003 (Class 1: No claim for "Chino"), 221896 (Class 2), and 221898 (Class 48), registered in 1899 by Franz Fritzsche & Co., Hamburg Registrations renewed in 1912 and 1913.

PATENT: No. 1409 of 1896, "An Improved Manufacture of an Antiseptic Disinfectant," granted to above-named firm. The patent expired in 1909.

The following is the example given of the method of manufacture:

Twenty-nine kilos. of oxychinolin is dissolved in 10 kilos. of alcohol, and to this is added gradually, while a mixing arrangement keeps mixing the contents of the boiler, under continual heating, 25 kilos. of finely pulverised pyrosulphate of potassium. After this all the contents of the boiler are boiled on the back-flow cooling apparatus until the end of the process. After ten hours' reaction the transformation is complete; then follows the cooling, and the product is extracted by removing the alcohol by centrifugal force or by filtration.

Chinotropin.

Urotropine quinate. Used in the treatment of gout.

TRADE-MARK: None registered. The Chemische Fabrik auf Actien vormals E. Schering, Berlin, registered (224682) in 1899 the word "Chinopin" (no claim for "Chino"), but this was removed from the Register in 1913.

PATENT: No. 14834 of 1899, "The Production of Therapeutic Substances from Quinic Acid and Hexamethylenetetramine," granted to the above-named company. The patent expired in 1903.

The method of preparation is thus given in the patent-specification:

Salts like compounds of hexamethylenetetramine and quinic acid may be produced by intimately mixing molecular quantities of both components together or by the mutual reaction of both substances in solution in water, benzol, alcohol, or other suitable solvent by known methods; for example, by evaporating *in vacuo* or at usual atmospheric pressure. The compounds are dry and stable. It is, of course, not necessary to take exactly molecular quantities of the components; the acid or the base may be in excess.

Chloralamide.

Hypnotic.

TRADE-MARK: The word chloralamide *per se* is not registered, but the Chemische Fabrik auf Actien vormals E. Schering, Berlin, registered (95188) in 1890 a device with name and address and the word "Chloralamid." The registration of this device was renewed in 1903.

PATENTS: See *C. & D.*, January 30, 1915, p. 151.

Clavin.

Crystalline active principle from ergot.

TRADE-MARK: No. 286533, registered in 1906 by E. Merck, Darmstadt.

PATENT: No. 239 of 1906, "Manufacture of a New or Improved Substance from Ergot," granted to E. Merck. The patent lapsed in 1910.

The process used is as follows:

For the isolation of the new material an aqueous extract of ergot is employed. This extract is precipitated with a saturated solution of barium hydroxide until no further precipitate is formed. After allowing the deposit to settle it is filtered off and the excess of baryta removed from the filtrate with carbonic acid and the filtrate evaporated and extracted with warm alcohol. The alcoholic solution is evaporated carefully until crystallisation commences. The crystals are separated and recrystallised from dilute alcohol. . . . Instead of precipitating the aqueous extract of ergot with barium hydroxide the aqueous extract may be evaporated and the syrupy residue extracted with boiling alcohol of about 75-per-cent. strength (about 100 c.c. alcohol to 100 grams ergot). On cooling the hot filtrate, crystals of the new material separate and may be purified by recrystallisation. A further quantity of crystals may be obtained by evaporation of the alcoholic filtrate.

Wills.

THE personal estate in the United Kingdom left by the late Matthew David Murray, chemist and druggist, Dalbeattie, who died on May 23, has been valued at 4,251*l.*

DR. HUGO MÜLLER, F.R.S., 13 Park Square East, Regent's Park, London, N.W., who died on May 23, left estate valued at 420,487*l.* 1*s.* 5*d.* gross, with net personality 414,001*l.* 1*s.* 2*d.*

THE personal estate in the United Kingdom left by the late David Hynd Ferrier, chemist and druggist, 2 East Somerville Place, Dundee, who died on June 1, has been valued at 3,335*l.*

MR. JOHN SHARP, manufacturing chemist, Scotland Lane, Horsforth, who died on March 4, left estate of the gross value of 27,364*l.* 3*s.* 9*d.*, of which the net personality has been sworn at 23,567*l.* 5*s.* 10*d.*

MR. RICHARD DUNCALFE, chemist and druggist, 26 Westbourne Road, Urmston, Lancs, who died on June 26, aged seventy-seven, left estate valued at 2,986*l.* 15*s.* 10*d.* gross, with net personality 2,141*l.* 2*s.* 10*d.*

MR. CHARLES LANE, Beckenham, senior partner of Chas. Lane & Sons, 7 Idol Lane, London, E.C., who died intestate on December 23, 1914, left estate valued at 1,770*l.* 18*s.* 11*d.* gross, with net personality 1,669*l.* 1*s.* 6*d.*

MR. JOSEPH IMISON GLOVER, chemist and druggist, 58 Bournemouth Road, Folkestone, who died on June 8, left estate valued at 2,246*l.* 2*s.* 3*d.* gross. Probate of his will has been granted to his son, Mr. J. H. Glover, South Gosforth, near Newcastle-on-Tyne, and Mr. G. H. Storey, Gosforth.

MR. WILLIAM GOULDBURN, chemist and druggist, 16 Pride Hill, Shrewsbury, who died on February 23, left estate of the gross value of 5,412*l.* 18*s.* 8*d.* Probate of his will has been granted to his widow, Mrs. Elizabeth Gouldburn, and his son, Mr. J. B. Gouldburn, chemist, Port Hill Gardens, Shrewsbury.

COLONEL THOMAS WILSON, C.B., 27 Alexandra Drive, Liverpool, chairman of J. W. Wilson, Ltd., paint and colour manufacturers, and of R. S. Clare & Co., Ltd., manufacturing chemists, etc., who died on June 5, aged eighty-three, left estate of the gross value of 138,167*l.*, with net personality 137,823*l.* Among the bequests are 100*l.* each to the Royal Infirmary, Liverpool, Liverpool Royal Southern Hospital, David Lewis Northern Hospital, and the Hospital for Children, Catherine Street, Liverpool.

MR. JAMES CROSS ENO, manufacturing chemist, Wood Hall, Dulwich, London, S.E., and Pomeroy Street, New Cross, S.E., who died on May 11, left estate of the gross value of 1,611,607*l.* 6*s.* 7*d.*, with net personality amounting to 1,585,823*l.* 12*s.* 7*d.* Probate of his will has been granted to Mr. T. Bennett, Bromley; Mr. J. E. Pickering, Sydenham Hill, S.E.; and Mr. A. E. Clarke, 13 Suffolk Street, Pall Mall East, S.W. Among the bequests are the following: 50,000*l.* to Guy's Hospital, London, as to 25,000*l.* for general purposes and as to 25,000*l.* for the Re-endorment Fund; 40,000*l.* to the Royal Victoria Infirmary, Newcastle-upon-Tyne; 20,000*l.* to the London Lock Hospital and Rescue Home, Harrow Road, W., and 91 Dean Street, Soho, W.C.; 10,000*l.* to Dr. Barnardo's Homes; 10,000*l.* to the Central Committee of Discharged Prisoners' Aid Societies; 1,500*l.* to George Heslop, now or lately manager of J. C. Eno, Ltd.; 1,000*l.* to James William Richardson, head clerk of the company; 300*l.* to each other clerk or employé of the company in receipt of monthly or yearly wages, if still in the service of the company and of fifteen years' service; 150*l.* to each such of between seven and fifteen years' service; 100*l.* to each such of between three and seven years' service; 50*l.* to each such of from one to three years' service; 25*l.* to each clerk or employé of the company paid at shorter intervals than one month if of twelve months' service; and 500*l.* to his medical attendant, Henry Blatherwick, as a slight token of appreciation of his skill and attention. He left to his late wife's sister, Martha Jenkins, a life annuity of 5,000*l.*, the use during widowhood of Wood Hall, and a legacy of 10,000*l.* To his late wife's sister, Jane Cossar, he left 2,000*l.* He confirmed the gift of 10,000*l.* to each of two grandchildren, and left a like sum to each grandchild to whom he had not already made such a gift. He left the residue of his property upon trust for his two daughters.

"VETERINARY COUNTER-PRACTICE."—An indispensable book for chemists, whether urban or rural. It deals with ailments of horses, cattle, sheep, pigs, dogs, and poultry. Sixth edition, contains over 430 pages. Price 4*s.* net, by post 4*s.* 4*d.*, from the *C. & D.* Book Department, 42 Cannon Street, London, E.C., or leading wholesale houses.

Trade Notes.

DRUG-BROKERS.—Samuel G. McCotter & Co., 13 Gold Street, New York City, U.S.A., are brokers in drugs, chemicals, etc. The firm offer to send their weekly prices current to the wholesale trade on request.

CHANGE OF NAME.—The new title of E. N. Frankenstein & Co., Ltd., is Forwood Bros. & Donaldson, Ltd., although the proprietorship and control of the company remains the same. The reasons for the change of name are given in an advertisement in this issue.

ROBERTS' FILLING-MACHINES.—Since writing the note which appeared in last week's issue we have received a copy of the new catalogue of bottle-filling machines, mixers, emulsifiers, etc., made by the Roberts' Patent Filling-machine Co., 33 Roundcroft Street, Bolton. It is a most useful list.

SYNTHETIC PERFUMES.—N. V. Polak & Schwarz's Essence-fabrieken, Zaandam, Holland, which was established in 1889, call attention in their advertisement to the various synthetic perfumes which they manufacture, and in which they have several specialities. The firm are also distillers of natural perfume oils.

TRENCH-POWDER.—Arthur H. Cox & Co., Ltd., Brighton, send us a sample tin of Trench-powder which is specially prepared for the destruction of body lice. It is used by dusting on the clothes and any area infested by vermin. It is conveniently packed in tins with sprinkler tops and retails at 9d. The name and address of the retailer can be printed on the labels when at least one dozen tins are ordered.

DENOUL'S CAPSULES.—In reference to the note on p. 151 regarding these capsules, in which we referred to the capsule-business of Jules Denoul & Co., Carlton Works, Asylum Road, London, S.E., as "the oldest-established of the kind in this country," we should have written "one of the oldest," as we find that the Glasgow business of R. T. Dun was established in 1843. Messrs. Denoul, in an advertisement in this issue, call attention to a revision in the price of santal-oil capsules, which has become necessary owing to the increase in the price of santal oil. Hitherto customers have received the benefit of an advantageous contract for santal oil, but the heavy demand for the capsules has led to the exhaustion of stocks sooner than would otherwise have occurred.

TYE'S CAPSULES.—John Tye & Son, makers of capsules and perles, have removed from Paekington Street to 457 Caledonian Road, London, N. The factory is several times larger than the old premises, and has been specially fitted up for dealing with large orders for capsules. The firm claim that it is the largest capsule-factory in the country. Messrs. Tye are exceptionally well placed for supplying capsules, and having large supplies of raw materials have given their customers the benefit of these prices. Sandal-wood oil, male-fern, and creosote capsules are the specialities of the firm. It is interesting to note that this is the oldest capsule-making business in England, the firm being direct successors of Claude Justin, a Frenchman, who founded the business in Islington in 1845.

Gazette.

Bankruptcy Acts.

RECEIVING ORDER.

PARSONS, C. O'CONNOR, Dovedale, Totley Brook Road, Sheffield, medical practitioner.

ADJUDICATION.

BUCKLEY, J., 101 Broughton Lane, Salford, physician.

Joint Stock Companies.

Notice was given in the "London Gazette," August 3, that at the expiration of three months from that date the names of the following companies will, unless cause is shown to the contrary, be struck off the Register, and the companies will be dissolved: Antineurasthin Co., Ltd.; Exhibition Toilet Co., Ltd.; Hunstanton Mineral-water Co., Ltd.; Lady Reid's Medical Aid Society, Ltd.; Manchester Medical Agency, Ltd.; Pineypta Automatic Disinfectors Co., Ltd.; Scientific Nutrients, Ltd.; Tansan Mineral-water Co., Ltd.; Victoria Drug Co., Ltd.

DISPENSING demands freedom from interference and distraction, and it is impossible to secure these without seclusion.—"X-rayser II."

The Use of Siccatives.

IN the course of the year we receive many inquiries regarding the use of siccatives, or driers, for paints and varnishes, and we believe that the following information regarding the newer siccatives will be of interest. These notes are taken from a paper read by Messrs. L. G. Radcliffe and C. W. Palmer before the Manchester Section of the Society of Chemical Industry and published in the "Journal" of the Society.

Precipitated rosinate of zinc is a fine white powder, and the fused form is in rosin-like lumps. Both are used to harden ordinary rosin; the two are melted together at 180°-190° C., and the product is used to make a cheap varnish. Precipitated rosinate of calcium is a white powder, and the fused form is in lumps, as is always the case with the products made by the fusion method. It is used with rosin and linseed oil, giving a product which, when thinned with turpentine, is a form of resin lacquer. Rosinate of copper has only been examined in the precipitated form; it is a fine green powder used for preparing anti-fouling marine paints and also for wood-impregnation. Rosinate of magnesium is met with in both a precipitated and a fused form; they are practically colourless, and are used in sealing-wax compositions. They contain small quantities of iron, apparently as an accidental impurity. Precipitated rosinate of manganese is an almost colourless powder, but the fused form is in dark reddish-brown lumps. Both forms are important and efficient siccatives, or driers, and usually about 2 per cent. dissolved in hot linseed oil is sufficient to produce an oil-varnish, liquid driers, or the like. Rosinate of lead, in both forms, is also stated to be a very efficient drier, and it is used in about the same proportion and in the same way as the manganese salt. Fused rosinate of cobalt is generally regarded as being the most efficient drier of the series, but it is rather expensive. A mixed rosinate, containing both manganese and lead, is made in the fused and precipitated forms. Such a mixed salt is a very efficient drier, and it is stated that in order to obtain the best results the manganese and lead salts should be mixed in such proportions that the metallic lead and manganese, in the finished drier, should be as 5 to 1 respectively. These rosينات are soluble in linseed oil; the precipitated ones will generally dissolve in the cold oil, but the fused ones must be heated with the oil to about 120° C.; they are also soluble in turpentine. Manganese oxalate has also been examined, as it is used as a drier; the sample was in the form of a slightly pink powder and contained 30.9 per cent. Mn. This salt is prepared by adding manganese-chloride solution to a solution of neutral sodium or potassium oxalate. The linoleates are the metallic salts of linseed-oil acids, and can be made by the precipitation method, though sometimes the mixed acids are heated with the oxide of the metal. Tungates, made from the acids of tung oil, are also in use, but these have not been examined.

Two commercial acids, known respectively as linoleic acid and tung acid, may be mentioned. Linoleic acid, in the form of a thick, semi-fluid yellow substance, has a characteristic odour; the acid-value is 186.5 (corresponding to a mean molecular weight of 500 to 501), and the saponification-value 202. Tung acid was in the form of strongly smelling yellowish semi-solid lumps, having an acid-value of 181, a mean molecular weight of 309 to 310, and a saponification-value of 213; this again indicates the presence of some unchanged tung oil. Both these acids are used in varnish-making.

The following is a brief description of some of the linoleates and their uses: Manganese linoleate is in the form of yellowish lumps, and is used as a drier in varnish. Lead linoleate, in the form of yellowish lumps, is used for quick-drying varnishes. Both of these can be dissolved in warm linseed oil, and the mixtures of the two are frequently used. Copper linoleate is in the form of dark-green lumps, and is used in anti-fouling paints. Cobalt linoleate is in the form of dark maroon-coloured, rather soft lumps, and is a very powerful drier. Aluminium linoleate is a sticky mass, and is used for waterproofing fabrics.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Association Affairs.

ENGLAND.

Barrow-in-Furness.—The Clerk reported to the Insurance Committee, on July 28, that chemists' accounts for the second quarter of 1915 showed a decrease of 6,996 prescriptions (value 265*l.*) compared with the previous quarter, and 726 (value 43*l.*) compared with the corresponding quarter of 1914. This enabled the Committee to pay to chemists 90 per cent. of their accounts for the second quarter of 1915, compared with 50 per cent. for the first quarter.

Birmingham.—The Chairman of the Insurance Committee stated on July 27 that on July 1 the number of insured persons on the Committee's list was 350,794, and on the doctors' lists 309,858. On these figures the Drug Fund should amount to 23,240*l.*, and the "Drug Suspense Fund" to 7,746*l.*—The new Pharmaceutical Committee met on July 15, when Mr. C. Thompson was re-elected Chairman and Mr. F. Smith Secretary, and Messrs. Barlow, Poole, and Thompson members of the Pharmaceutical Service Sub-Committee. The particulars as to the emergency settlement for 1914 were discussed, and it was decided to call a meeting of panel chemists to consider the proposals.

Blackburn.—The Clerk submitted to the Insurance Committee on July 27 the following statistics relating to prescriptions for the first six months of 1914 and 1915. In the former half-year 117,010 prescriptions, value 4,348*l.* and average cost 8.91*d.*, were dispensed, compared with 103,216, value 3,228*l.* and average cost 7.5*d.*, in the latter.

Bolton.—Councillor Percy Knott (chemist) was unanimously re-elected Vice-Chairman of the Insurance Committee on July 29. The Chairman, in the course of his remarks on the year's work, stated that there were forty-two chemists and others under contract with the Committee to supply drugs and appliances. Six complaints had been received during the year regarding treatment by doctors and drugs supplied by chemists.

Bournemouth.—The Medical Benefit Sub-Committee reported to the Insurance Committee on July 26 that a letter had been received from the Pharmaceutical Committee inquiring whether it would be possible for panel doctors to see insured patients earlier in the day than at present, to enable pharmacists to comply with the Home Office Lighting Order, which states "that no lights must be shown one hour after sunset." The Sub-Committee recommended that the matter be referred to the Panel Committee, with a request that when prescriptions are urgent they should be so marked, and asking the co-operation of doctors by placing notices in their surgeries requesting the insured not to take prescriptions to the chemist the same evening unless it is a matter of urgency. After discussion, the recommendation was adopted.

Canterbury.—At a meeting of the Insurance Committee on July 27, the Clerk stated that, roughly, there is 605*l.* available to pay the arrears on chemists' accounts, which amount to 640*l.* It was resolved to pay chemists' accounts for the second quarter of 1915 in full and a further 10 per cent. of the accounts for the first quarter of the year.

Coventry.—The Commissioners have sanctioned the appointment of a person to check and analyse prescriptions at a salary of 78*l.* per annum.

Eastbourne.—Mr. H. C. Browne has been elected Chairman and Mr. D. Marchant Secretary to the Pharmaceutical Committee.

Gloucestershire.—It was reported to the Insurance Committee, on July 24 that credits had been received from the Commissioners which would enable the Committee to pay chemists' outstanding accounts in full.

Hampshire.—The Pharmaceutical Committee met on July 28. Mr. S. G. Bartlett (Winchester) was elected Chairman, and Mr. C. H. Baker (Cosham) reappointed Secretary. Messrs. Barlow (Southsea), Bates (Southampton), and Bilson (Bournemouth) were elected to the Pharmaceutical Service Sub-Committee, and the Chairman and Secretary representatives on the Prescription-checking Sub-Committee. A vote of thanks was passed to Mr. A. E. Chaston (Winchester) for his services as Chairman during the past year. A resolution was sent to the Insurance Committee drawing attention to the late hours at which certain doctors see insured patients, thereby extending the already long hours of panel

chemists. Mr. Griffiths, checker, presented the following summary of chemists' accounts:

	1914	No. of Prescriptions	Chemists' Accounts	Average Cost
1st quarter	52,927	£ 1,833	8.31 <i>d.</i>
2nd "	37,052	1,299	8.41 <i>d.</i>
3rd "	27,954	927	7.95 <i>d.</i>
4th "	32,277	955	7.10 <i>d.</i>
1915				
1st quarter	51,800	1,544	7.15 <i>d.</i>
*2nd "	30,498	932	7.33 <i>d.</i>

* Figures incomplete.

Accounts for Temporary Residents for 1914 amounted to 48*l.*, and for Sanatorium Benefit during the same period to 39*l.* The Secretary was instructed to inform chemists that it is essential for successful working of the Committee that accounts should be rendered promptly each month. Accounts for the first five months of 1915 have been paid in full, and the June accounts will be paid in a few days. A vote of thanks was passed to Mr. White, Clerk to the Insurance Committee, for the assistance he has given in the work of the Committee during the year.

Huddersfield.—At a meeting of the Insurance Committee on July 23, a resolution of protest, forwarded by the Derbyshire Committee, against the deductions from the payments to chemists and doctors on account of enlistments was considered. Mr. R. C. Walshaw (chemist) said one could scarcely restrain indignation in regard to the attitude of the Commissioners. He contended that the rate of enlistment was much less than allowed for by the Commissioners. Dr. Tansley supported, and the Committee decided to forward to the local member of Parliament and to the Commissioners a resolution of protest on the lines of the Derbyshire Committee's resolution.—The Pharmaceutical Committee has decided to accept the emergency settlement for 1914.

Hull.—The amount calculated as available under the emergency settlement for 1914 will bring the Drug Fund for the year to 8,527*l.* Chemists have already been paid 90 per cent. on account, and after the necessary adjustments a further 43*l.* will be payable, bringing the payments to 94.6 per cent. of the accounts. In future panel practitioners are to be furnished monthly with statistics regarding their prescribing.

Isle of Wight.—Chemists' accounts for the quarter ended June 30 amounted to 408*l.* (737*l.* in the previous quarter and 505*l.* in the corresponding quarter of 1914). Eighty per cent. will be paid on account.

Kent.—At a meeting of the Insurance Committee on July 23, a letter from the County Association of Pharmacists was read asking if the Committee would be willing to collect a voluntary levy not exceeding 1 per cent. from panel chemists on behalf of the Association. The Finance Sub-Committee recommended that the request be acceded to. Payment of 90 per cent. (2,985*l.*) of chemists' accounts for the second quarter of 1915 was recommended. It was stated that there had been two additions to the panel of chemists and one withdrawal during the month.

Liverpool.—The new Pharmaceutical Committee met on July 26, when Mr. W. H. Clubb was appointed Chairman in room of Mr. J. Bain, who insisted on resigning. Mr. D. H. Evans was appointed Vice-Chairman and Mr. G. V. C. Last Secretary. Messrs. W. H. Clubb, J. Bain, and J. L. Hirst were appointed to the Pharmaceutical Service Sub-Committee, and Messrs. W. H. Clubb and J. L. Hirst to the Joint Services Sub-Committee. Mr. W. H. Clubb moved a vote of thanks to Mr. J. Bain for his services to the Committee as Chairman since its formation, and this was carried with acclamation. It was decided to send a letter of thanks for his services on the Committee to Mr. G. R. Tharratt, who had resigned in order to avoid a contest. The Insurance Committee has paid to chemists 87.5 per cent. of their accounts for the quarter ended June 30.

Northamptonshire.—The Pharmaceutical Committee met on July 29. Mr. J. Gant, J.P., was re-elected Chairman and Mr. R. H. Robinson was appointed Secretary in place of Mr. J. H. Thursfield, resigned. Messrs. Gant and Robinson were elected to the Joint Services Sub-Committee and Messrs. Gant, Hedley, and Robinson to the Pharmaceutical Service Sub-Committee. Messrs. Hitchman, Hedley, and Robinson were elected as an Emergency Sub-Committee, and Messrs. Gant, Smith, and Hitchman were appointed a Sub-Committee to confer with the doctors should occasion arise. It was decided to continue to send in accounts monthly while the monthly supplementary

Tariff is issued. The balance of the 1914 accounts has been paid in full and 80 per cent. for the second quarter of 1915. For the first six months of 1915, 56,757 prescriptions (average cost 7.6d.) were dispensed, compared with 58,986 in the first six months of 1914.

Plymouth.—The new Pharmaceutical Committee met on August 3. Mr. R. F. Roper was elected Chairman, Mr. A. J. Ancliffe Vice-Chairman, and Mr. S. R. Williams Secretary for the ensuing year. Messrs. Maitland, Park, and Roper were elected to the Pharmaceutical Service Sub-Committee; Messrs. Park and Roper to the Joint Services Sub-Committee; and Messrs. Roper, Park, Spear, and Barge to the Scrutiny and Cheeking Sub-Committee. It was decided to recommend to the Insurance Commission the name of Mr. S. R. Williams as a suitable pharmacist for the vacant appointment on the Insurance Committee as nominee of the Commissioners. The Committee reaffirmed the resolution of the previous Committee, that full particulars of all moneys available and the method of allocation of those funds should be supplied to them officially by the Clerk to the Insurance Committee. A communication from the Clerk to the Insurance Committee was read, stating that the amount available for payment of the 1914 chemists' accounts is 2,981l., of which 2,604l. has already been paid. The accounts amount approximately to 4,280l. The Commissioners' proposals for the emergency settlement for 1914 and certain *ex gratia* payments for 1913 and 1914 were also forwarded. The returns for the amalgamated area on January 1, 1915, showed the number of insured persons to be 60,767, and the amount credited to the Drug Fund for the half-year ending June 2, 1915, while chemists' accounts for the same period amount to 2,917l., of which 70 per cent. has been paid. During the half-year 84,058 prescriptions have been dealt with for the whole of the new area, compared with 104,000 for the Plymouth area alone during the year 1914. The average cost per prescription during the last three months of the half-year was: April, 8.3d.; May, 8.25d.; and June, 7.9d.

Portsmouth.—A report on the scrutiny of prescriptions for the first quarter of 1914 was presented to the Insurance Committee on July 29. The report set out the causes of the excessive demand on the Drug Fund for the period as follows: (1) A liberal and frequent prescribing of more or less expensive mixtures, and mixtures containing five or six ingredients; (2) frequent prescribing of costly liniments (lin. terebinth. and lin. opii) in 6-oz. or 8-oz. quantities; (3) the prescribing of proprietary preparations; (4) the ordering of tinct. iodi, collodion, etc., in large quantities; (5) the giving of preparations, such as liquid extract of cascara, ammoniated tincture of quinine, malt and cod-liver oil, peroxide of hydrogen, and liquid paraffin in generous quantities; (6) the very frequent prescribing of two bottles of a mixture instead of a double size; (7) the prescribing of 8-oz., 12-oz., and 16-oz. mixtures in 1-oz. doses; (8) ordering, in some instances, large supplies of dressings and linseed-meal. It was stated that lints and cotton-wool were frequently ordered in 1-lb. quantities, seldom less than $\frac{1}{2}$ -lb. at one time; gauzes were ordered in 2-oz. and 4-oz. quantities, and a 6-yard package was generally supplied where an open order was given; oiled silk was frequently ordered in quantities of 1 ft., 1 ft. square, $\frac{1}{2}$ -yd., and $\frac{1}{4}$ -yd., and if protective was ordered without qualification oiled silk was invariably supplied. Gamgee tissue, jaconet, thermogene-wool, etc., where prescribed were not allowed. The Sub-Committee point out that a too liberal supply of these would account for the deficit in the Drug Fund. It is also stated that it is probable that many prescriptions properly chargeable to the Sanatorium Benefit Fund were charged to the Drug Fund. The prescriptions numbered 58,065, value 2,146l., and the Drug Fund for the period amounted to 1,566l. The report on the year's working indicated that there are now forty-three chemists (sixty-one shops) on the panel. Chemists had been paid 90 per cent. (75 and 80 per cent. on two occasions) on presentation of their accounts. In reply to a question, the Clerk stated that under the emergency settlement for 1914 chemists would receive 10s. in the pound on the amounts of the balances due to them. Ten chemists have already accepted this.

Sheffield.—The Insurance Committee met on August 4. It was resolved to inform the Panel Committee that the Pharmaceutical Committee agrees to the addition of three mixtures of the local Formulary to the list of stock mixtures (*C. & D.*, July 17, p. 51). The Clerk reported that the amount to be credited to the Committee for the emergency settlement of chemists' accounts for 1914 is 13,991l. This includes the estimated credit for Temporary Residents, but does not include any transfer from the Sanatorium Benefit Fund in respect of prescriptions not specially marked as chargeable to that fund. The amount transferred from the

Sanatorium Benefit Fund in 1913 was 2507l., and it is proposed that a similar amount be transferred for 1914. With this addition, and deducting the administrative expenses of the Pharmaceutical Committee (707l.), 16,835l. will be available for distribution to chemists, equal to 84 per cent. on the accounts rendered for the year. It was decided to submit the proposals to the chemists and to the Pharmaceutical Committee. The following payments from the Drug Fund were authorised: Sixth payment for 1915 to chemists (75 per cent. of accounts), 652l.; to certain chemists for appliances, 191l.; to doctors for medicines and appliances, 111l.; to certain chemists (80 per cent. of accounts for December 1914), 83l.—A meeting of chemists and other contractors has been called for August 10 to consider the proposals for settlement of the 1914 accounts. Chemists are requested to refrain from making individual arrangements till after the meeting, so that combined action can be taken.—The alterations in prices of panel Formulary preparations for August are: No. 4, 2d.; No. 6, 3d.; No. 38, 2½d.; No. 39, 2d.; No. 48, 5½d.; No. 51, 11d.; No. 61, 3½d.; No. 62, 6½d.; No. 63, 4d.; No. 69, 1s. 0½d.; and No. 74, 7½d.

Shropshire.—Following a report by the chequer on prescriptions dispensed during the quarter ended March 31, the Clerk of the Insurance Committee has been instructed to write to twenty-one panel practitioners, who had failed to mark prescriptions issued by them so that the cost could be charged to the various funds.

Somerset.—At a meeting of the Insurance Committee on July 24, the Finance Sub-Committee reported that for 1914 5,003l. had been paid from the Drug Fund to chemists and 3,624l. to doctors in respect of patients for whom they dispense.

Southport.—It was reported to the Insurance Committee on July 27 that the Commissioners have refused the Committee's application for an increase in the Medical Benefit credits for 1915.

Sunderland.—At a recent meeting of the Insurance Committee, the Clerk reported that the final credits for the 1914 Drug Fund are sufficient to pay in full the five months' outstanding balances for that year. Chemists will therefore be paid in full for the first two years' working of the Act. It was resolved to pay in full chemists' accounts for May, and also the outstanding balances for February and March. The Finance, General Purposes, and Medical Benefit Sub-Committee recommended that the Committee should not join in the joint cheeking scheme advocated by the Durham County Committee, but should advertise for an auditor (*C. & D.*, June 5, p. 53). A letter from Mr. A. H. M. Purse (chequer under the joint scheme), stated that the Durham Committee will allow him to continue as auditor for Sunderland till the end of the year. The Sub-Committee's recommendation was therefore withdrawn.

Wolverhampton.—The Pharmaceutical Committee met on July 27, when Mr. F. J. Gibson, J.P., was elected Chairman, Councillor F. A. Wilcock Vice-Chairman, and Councillor J. H. Coleman Secretary. The following were elected to the Pharmaceutical Service Sub-Committee: Messrs. Coleman, Phillips, and Wilcock.

Worcester.—The new Pharmaceutical Committee met on July 30. The following were elected officers for the year: Chairman, Mr. A. E. Coverdale; Secretary, Mr. Donald G. Pout; Pharmaceutical Service Sub-Committee, Messrs. Coverdale, Thomson, and Pout; Joint Services Sub-Committee, Messrs. Coverdale and Pout. The Committee considered the report of the chequer on the prescriptions for the fourth quarter of 1914. It was noted that fewer practitioners had exceeded the general average cost than in the three previous quarters; at the same time proprietary medicines and other expensive items were prescribed. It was decided to again approach the Panel Committee on the matter.

York.—The Clerk reported to the Insurance Committee on July 29 that chemists' accounts for the quarter ended June 30 amounted to 523l., compared with 935l. for the preceding quarter. The amount in the Drug Fund, including the small balance from the first quarter of the year, was 506l. It was agreed to pay 95 per cent. of the accounts.

Yorkshire (West Riding).—The credits for the emergency settlement of chemists' accounts for 1914 permit of chemists being paid in full. The B.P., 1914, has been adopted in the area as from August 1, and a new local Formulary has been issued. The formulas for mixtures in the latter have been more or less altered: noticeable omissions are linet. terpin. co. and mist. pepsin. c. bismuth. Practitioners and chemists have been notified that the use of the old Formulary will now be discontinued, and mixtures ordered by the title given in the Formulary will be held to refer to the new issue. Features of the book are a list of chemical or therapeutic equivalents for proprietary

chemicals and a list of items (foods, vaccines, etc.) which should not be prescribed. For the convenience of chemists in pricing, a list of charges for mixtures, etc., of the new Formulary has been issued. The assent of the Insurance Committee was obtained on July 29 to the issue to panel practitioners of a circular drawn up by the Panel Committee on economy in prescribing. The Insurance Committee, while assenting, does not accept responsibility for the matter contained in the circular, which follows the lines of the circular issued on the subject by the Local Medical and Panel Sub-Committee of the Insurance Act Committee of the British Medical Association to Local Medical and Panel Committees (*C. & D.*, March 6, p. 57).

SCOTLAND.

Pharmaceutical Standing Committee.

The Pharmaceutical Standing Committee (Scotland) has issued to panel chemists Appendix VII, to the Drug Tariff, 1915. Three new drugs are added to the Appendix this month, and in the case of thirty-seven others there is an alteration in price, almost all the changes indicating a marked advance. Attention is drawn to the fact that oil of pine in the Drug Tariff is that official in the B.P. 1893, and that where oil of abietis, the oil of pine of the B.P. 1914, is dispensed, the price should be calculated according to cost on the principle of the Drug Tariff. The Standing Committee, in an accompanying circular, enumerate additional causes of delay in the working of the Central Checking Bureau, and ask the co-operation of panel chemists in obviating these. Regarding the increased duty on alcohol, it is stated that it has been impossible as yet to obtain any definite regulations as to the detailed carrying out of the concessions secured, but the matter is having close attention. Meantime chemists are advised to keep a careful record of all alcohol purchased, the quantities used, and the purposes for which it is used. Chemists are also requested to forward to the Committee information and suggestions regarding the working of the scheme for the supply of medicines for the necessitous dependants of sailors and soldiers.

Aberdeenshire.—At a meeting of the Insurance Committee on July 30 a report on prescriptions and chemists' accounts for the third quarter of 1914 was submitted. It was stated that 1,536 prescriptions were incorrectly priced, 1,435 of these being overcharges. Including overcharges and irregular prescriptions, the Drug Fund had been called upon to meet unjustifiable expenditure of 50*l.* for the quarter, but this has now been adjusted.

Edinburgh.—Mr. John Muir, Secretary of the Pharmaceutical Committee, informs us that neither the complaint which was the subject of discussion at the meeting of the Insurance Committee on July 26 (*C. & D.*, July 31, p. 148), nor any similar complaint, has been dealt with by his Committee at any time, and that the suggestion to advertise the report did not therefore emanate from the Pharmaceutical Committee.

Fife.—At a meeting of the Insurance Committee on July 31 a motion that steps be taken to secure compensation for the loss of remunerative time to members of the Drug Accounts Committee was unanimously agreed to.

Notes.

MEDICAL DEPUTATION TO THE COMMISSIONERS.—The agreed report of the deputation from the Insurance Act Committee of the British Medical Association to the Chairman of the National Health Insurance Commission on July 9, regarding the resolutions passed by the Conference of Representatives of Local Medical and Panel Committees on June 16, has now been published ("*B.M.J.*" Supplement, 1915, 11, p. 69). With respect to the proposed revision of Regulation 40 (*C. & D.*, July 3, p. 53), it was agreed that a further small conference should be held to consider this. As to the motion adopted by the Conference regarding the prescribing by panel practitioners, at the expense of the Drug Fund, of special treatment advised by consultants (*C. & D.*, July 3, p. 53), the Commissioners pointed out that the whole question depends on whether the practitioner endorses the view of the consultant as to the necessity of the medicine prescribed by him or not. If he is of opinion that the medicine is necessary for the adequate treatment of the patient, he is entitled and obliged to prescribe it at the cost of the Drug Fund. If, however, he is not of that opinion, the medicine should not be ordered at the expense of the Drug Fund.

ECONOMY IN THE USE OF DRUGS.—The Scottish Insurance Commissioners have issued to all panel practitioners and panel chemists in Scotland an important circular, urging the absolute necessity of the most rigid economy in the use of drugs consistent with efficiency, not only to protect

the Drug Fund, but to conserve the national stock of drugs. It is stated that Insurance practitioners have already had their attention directed to the matter, but the evidence before the Commissioners shows that many do not even now appreciate the gravity of the situation. A table showing the great advance in prices of certain drugs between August 1, 1914, and August 1, 1915, and also between January 1, 1915, and August 1, 1915, is given. It is shown that in the former period acetylsalicylic acid has advanced 1,000 per cent., while cod-liver oil has increased in cost by 150 per cent. The list also includes acetanilide, acid, salicyl, naphthol, phenacetin, phenazone, salol, and sodii salicyl, etc. It is suggested, for the guidance of practitioners, that prescriptions should conform meantime to the following conditions: (1) The quantity prescribed at one time should be strictly limited; (2) the drugs employed should be, *ceteris paribus*, the least expensive of their class; (3) flavouring agents should be reduced to a minimum, and the more expensive, where a less costly equivalent is not available, should be restricted to cases in which therapeutic benefit would not be obtained without their use; (4) drugs should be put up in the least expensive form consistent with the requirements of the case.

Association Affairs.

Birkenhead.—A meeting of the Birkenhead and Wirral Association of Pharmacists was held on July 29. Mr. F. C. Cooling was in the chair, and there were eleven members present. Mr. H. S. Peirson, New Brighton, reported that the early-closing movement in the Wallasey district has been well organised and is a success. The local price-list had also been a success financially, but, as it requires revision, a small leaflet will be issued as required. A plan for producing a uniform method of calculation had been suggested, and will not need revision. A proposal that representation should be made for the abolition of the discounting clause in the Insurance dispensing contract and the establishment of definite dates for the payment of accounts was carried unanimously. The question of the abolition in all pharmacies of the practice of opening stamped boxes of proprietary articles and retailing small quantities revealed the fact that chemists are in violent opposition upon this subject, and it was thought that the question should be dropped. The meeting was equally divided upon the subject, but the Chairman gave his casting vote in favour of the motion. It was suggested that a representative Local Associations' Executive should be established, whose voice would be authoritative. To obtain a minimum profit of 25 per cent. on patent medicines, perfumes, and toilet-soaps, and 20 per cent. on infants' foods, it is necessary to have agreement not only among chemists, but among all local patent-medicine licence-holders. Proposals have already been received from the Wallasey Grocers' Association in reference to the price of Bovril. The meeting agreed to refuse to stock or sell any proprietary article advertised to the public by means of a prescription in which the retail price is not stated.

Harrow.—A general meeting of the Harrow District Pharmacists' Association was held at the Gayton Rooms, Harrow, on July 22. The present representatives of the Association on the County Executive Committee were re-elected, and an additional representative (Mr. Taggart) was elected. A resolution expressing sympathy with the President (Mr. Humphrey) in his illness, and wishing him a speedy restoration to health, was passed. The Association also placed on record its regret at Mr. Humphrey's decision to resign, and its thanks for his past services.

Peterborough.—The Peterborough Association of Pharmacists met on July 30 at the Angel Hotel, Peterborough, Mr. T. J. Calcutt (President) in the chair. Mr. J. G. Sturton, Ph.C., delivered an instructive address on *Chemical-industry and the War*. The lecturer dealt with the aniline-dye question and the manufacture of chemicals used in pharmacy. He contended that the chemist is not taking his proper place in the manufacturing-industry, and urged the necessity of educating the public to the necessity of chemistry playing a vastly greater part in manufactures and educational programmes. Mr. W. Elborne, public analyst for Peterborough, said it had been proved that the majority of German patents are in reality bogus affairs. They give a tremendous amount of technical matter, but the real thing is not disclosed. In applying for a patent in Germany great opposition is offered to a patent which is not of German origin, the object being to put the applicant to enormous expense. Mr. Sturton was cordially thanked for his address.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garhling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., August 5, 6.30 p.m.

THE markets having been under the influence of holidays, business in all directions has been curtailed. The chief event in chemicals has been a sudden advance of $1\frac{1}{2}d.$ per oz. in crude iodine by the Syndicate, and a corresponding rise by makers of iodine preparations, the demand for several of which is extremely large. Quinine has been in improved demand for export to Allied countries, and prices are fully $\frac{1}{2}d.$ dearer. The demand for salicylates has fallen off somewhat, but values are unchanged. Phenacetin, guaiacol carb., and vanillin are more or less dearer. Opium remains steady, and the alkaloids are very firm. Caffeine appears to be getting scarcer than ever. Acetate of lead is dearer, and copper sulphate is firmer. Among drugs, senega on spot is held for more money; celery-seed is firmer, and lavender-flowers are likely to be dearer this season. Some of the fixed oils, including cottonseed, soya, castor, and turpentine, have moved in buyers' favour.

Higher	Firmer	Easier	Lower
Guaiacol carb.	Arsenic	Castor oil	Antimony
Iodine and compounds	Celery-seed	(Eng.)	Gambier
Lead acetate	Copper	Cloves	Soya oil
Phenacetin	sulphate	Cottonseed oil	Turpentine
Senega (spot)	Petroleum	Ergot	
Vanillin	Quinine	Linseed oil	
		Rosin	

The drug-auctions will be resumed next Thursday, August 12.

London Markets.

ACETANILIDE is offered at about 5s. per lb.

ACETYL-SALICYLIC ACID is obtainable at from 32s. to 35s. per lb., according to quantity and seller.

ALOES.—The exports from the Union of South Africa during May amounted to 21,540 lb. (210%), against 93,872 lb. (1.026%), in May 1914. During the five months ended May 31, 1915, the exports were 260,841 lb. (1.944%), against 470,339 lb. (5.261%) for the corresponding period of 1914.

AMMONIA SULPHATE is quiet at from 14l. to 14l. 5s. per ton net, naked at works, London, for 25-per-cent. ammonia; Hull, 24-per-cent., is 14l. 15s.; Liverpool, 14l. 17s. 6d. to 15l.; Leith, 15l. July-December, 15l. 5s. per ton in bags f.o.b., less $3\frac{1}{2}$ per cent.

ARSENIC is about 10s. per ton firmer, at from 16l. 10s. to 17l. per ton for best Cornish powdered.

BARBITONE is offered at 44s. per lb.

BENZON.—Sumatra gum has been selling well at full prices during the drug-auction interval. Practically 200 cases have arrived during the week.

BTCR.—The exports from the Union of South Africa during May amounted to 25,097 lb. (4.426%), against 12,491 lb. (1.878%), in May 1914. During the five months ended May 31 the exports were 114,903 lb. (18.270%), against 112,054 lb. (20.625%) for the corresponding period of 1914.

CAMPHOR (REFINED).—Japanese is slow of sale both on spot and to arrive; slabs are obtainable at 1s. 8d. spot.

CASCARA SAGRADA is selling at from 52s. 6d. up to 60s. per cwt. on the spot, according to age.

CASTOR OIL.—English make is easier, first-pressing in barrels offering at 38l. 5s. per ton ex wharf London.

CELERY-SEED is firmer, holders asking from 70s. to 75s. per cwt. on the spot.

CELLULOSE ACETATE.—This solvent is offered at 7s. 6d. per lb. in $\frac{1}{2}$ -cwt. lots.

CITRATE OF LIME.—During the period December 1, 1914, to March 31, 1915, the exports of citrate of lime by the Camera Agrumaria amounted to 2,556,600 kilos., compared with 1,751,122 kilos. for the corresponding period of 1913-14. The destinations were as follows, the figures in parentheses being those for the corresponding period of 1913-14: England, 394,191 (325,323); France, 293,058 (230,471); Austria, 151,647 (71,130); Germany, 95,900 (219,504); United States, 1,211,137 (638,670); Italy, 410,667 (265,024).

CLOVES.—Zanzibar remain dull on spot, with sellers of fair at 6 $\frac{3}{4}d.$; to arrive, July-September shipment, 5 $\frac{1}{2}d.$ c.i.f. d.w. is quoted, and August-September delivery 6 $\frac{1}{4}d.$, these prices being unchanged on the week.

COD-LIVER OIL.—Our Bergen correspondent writes on July 26 that the market continues firm, and prime non-congealing oil is not obtainable below 335s. per barrel c.i.f., but this price has not yet been paid by exporters. In London one prominent quarter quotes 400s. per barrel f.o.b. Norwegian ports, cash against documents, an offer which has no attraction for the time being.

In our issue of July 17 (p. 49) we gave the names of several Norwegian refiners who repudiated having anything to do with the formation of a combination in cod-liver oil. Mr. Olaf Holm, of Aalesund, now informs us, through his London agents (Wilson & Mansfield), that he "is in no way connected with the said combine or any other undertaking to force up prices and maintain them at the high level they have reached."

COPPER SULPHATE is firmer, at from 26l. 5s. to 26l. 10s. per ton for the usual Liverpool brands.

DRAGON'S-BLOOD.—The Ningchow has brought 17 cases from Penang.

ERGOT.—Russian is quoted 2s. 2d. to 2s. 3d., Portuguese at 2s. 5d., and Spanish at 2s. 7d. per lb.

ESSENTIAL OILS (SICILIAN).—A report on the Sicilian essential-oils market, dated July 23, states that the all-round advance in prices is due to some exporters apparently being short of Lemon oil, the production having ceased some time ago, and the stocks now being in firm hands. As regards the new crop, the blossoming generally was good, but the producers say they fear that unseasonable and frequent showers during June have caused some damage to the flowers and small fruit. Lemon oil for prompt shipment has been in good demand, for the reasons given above, and producers not being forced to realise, prices keep up and continue in good tendency for prime quality. A small business has taken place in new crop, sellers and buyers being local speculators. The price appears too high, because, from reports received, the coming crop of lemons will probably not be less than the last, which was a good one. Prices for Bergamot are stationary, with a firm tendency. Sirocco winds appear to have done some damage to the young bergamot-fruit, which in part has become spotted near the stalk and falls off. No prices are quoted as yet. Prompt stocks of Sweet-orange oil are small and prices sustained; the new crop is reported to be smaller than the last one. Quotations are nominal. Prompt and new-crop bitter orange is nominal. Stocks of Mandarin oil are cleared.

FORMALDEHYDE is offered at from 67s. 6d. to 70s. per cwt. in casks for 40-per-cent. volume.

FORMIC ACID.—Technical (90-per-cent.) is offered at 85s. per cwt. in carboys.

GENTIAN is offered at 33s. c.i.f., and at 40s. for cut.

GLYCERIN has been quiet, the official quotation for double distilled s.g. 1.250 in tins and cases in 5-ton contracts being 104l. per ton, and 100l. in drums. The price of British crude glycerin is nominal at from 55l. to 58l. per ton. The export of glycerin is still prohibited to all destinations, but we understand that inquiry is being made as to the stocks held in this country, and, if considered sufficient, there may be a modification of the Proclamation.

GLYCEROPHOSPHATES.—From consignments just landed pure calcium is offered at 6s., pure sodium crystals at 9s. 9d., and 75-per-cent. liquid at 6s. 6d. per lb.

GUAIACOL CARB. is fully worth 22s. 6d. to 23s. per lb., there being a good inquiry, with very limited supplies.

GUM ACACIA.—Recent arrivals of Sudan sorts are offered at 52s. 6d. per cwt. spot.

HEXAMINE is quoted at from 5s. 6d. to 6s. per lb. on spot.

HYDRASTIS.—Fall-duz is offered at 21s. per lb. net.

HYDROQUINONE.—Current value is about 18s. per lb.

IODINE PREPARATIONS.—To the surprise of everybody concerned the Chilean Iodine Syndicate on Saturday, July 31, raised the price of crude iodine from 9d. to 10 $\frac{1}{2}d.$ per oz., an advance of about 17 per cent. The makers of iodine preparations have advanced their prices accordingly—e.g., potassium iodide is 2s., sodium 2s. 1d., iodoform 2s. 2d., and resublimed iodine 2s. 3d. per lb. dearer. The following

are the quotations of British makers: Potassium iodide, 1 cwt. and upwards, 15s.; 28 lb. and upwards, 15s. 3d.; 14 lb. and upwards, 15s. 6d.; smaller quantities, 15s. 9d. Sodium iodide, 28 lb. and upwards, 16s. 9d.; 14 lb. and upwards, 17s. 1d.; smaller quantities, 17s. 5d. Iodoform, 28 lb. and upwards, 19s. 2d.; 14 lb. and upwards, 19s. 6d.; smaller quantities, 20s. per lb. net. Resublimed iodine, 28 lb. and upwards, 17s. 3d.; 14 lb. and upwards, 17s. 6d.; smaller quantities, 17s. 10d. net, without engagement.

LAVENDER-FLOWERS.—The new crop of French are likely to be dearer this year, especially hand-picked; for common 50s. is wanted.

LEAD ACETATE.—White is dearer, small crystals offering at 55l. per ton in casks.

LYCOPodium is quoted at from 4s. 3d. to 4s. 6d. per lb. spot for treble-sifted.

MENTHOL remains dull of sale, with sellers of Kobayashi at 9s. 3d. per lb. spot; for August-September shipment sales are reported at 8s. 7½d. c.i.f., and *Mint oil* at 2s. 8d. c.i.f.

METHYL SALICYLATE is quoted at from 8s. to 8s. 6d. per lb.

MILK-SUGAR is offered at 71s. per cwt. for best powder.

OILS (FIXED).—*Linsced* is easier on the week, pipes on the spot closing at 25s. 3d. and barrels 26s., forward 26s. 3d. to 27s. 6d. *Cottonseed* is slightly easier, at 25s. 9d. for crude in pipes, 31s. for pale refined in pipes, and 36s. to 37s. for sweet refined in barrels—all spot. Ceylon *Cocunut* is quiet, at 42s. in hogsheads and 41s. in pipes; Cochin is 44s. to 47s.; London pressed is steady at 33s. *Colza* is quiet at 36s. to 37s. for ordinary brown, naked, on spot, and 38s. to 40s. for British refined in barrels. Lagos *Palm* is 31s. spot and 29s. 3d. in Liverpool. *Soya* is lower, 21s. 6d. c.i.f. in cases; Hull (spot) is 1s. cheaper at 24s.

OPium.—A holiday tone has prevailed, the market, so far as actual business is concerned, having been practically closed. Prices are, however, steady on the basis of 23s. per lb. spot for Turkey druggists' quality, and in Persian business is passing at previous prices.

PAPAIN.—The recent troubles in Ceylon, which were quickly suppressed, are said to have interfered with the collection. Business has been done in genuine Ceylon at firm prices for export.

PARAFORMALDEHYDE is offered at 4s. per lb. in drums.

PEPPER is quiet at 5½d. for fair black Singapore, 5½d. for fair Tellicherry, with sales thereat, and 5½d. for fair Lampong, all on spot; sellers of fair white Singapore quoted 9½d., Muntok 9¾d., and Penang 8¾d. on spot.

PEPPERMINT OIL.—A cable from a leading Michigan grower intimates heavy rains, and his price has been advanced equal to about 7s. 3d. per lb. landed terms.

PHENACETIN is temporarily scarce, with some holders asking 22s. 6d. per lb for crystals or powder.

PHENOLPHTHALEIN is offered at 17s. per lb.

QUININE is fully ½d. per oz. dearer, a good business having been done, principally for export to Allied countries, at up to 1s. 5½d. per oz. for the usual brands of Continental sulphate, with 1s. 6d. asked at the close.

The landings in London during July were 145,792 oz., and the deliveries 199,136 oz., leaving a stock on July 31 of 2,131,344 oz., against 3,016,000 oz. in 1914.

SALICYLATES.—The demand has fallen off somewhat, and, if anything, the tendency is weaker. America is making more numerous offers.

SALOL remains scarce at from 18s. per lb. upwards.

SENEGA is dearer in one quarter, at 2s. 4d. per lb. net on spot, and for August shipment 1s. 8d. c.i.f. will still buy.

SENNA.—An auction of 65 bales Alexandrian was held on July 29, when 55 bales sold, comprising half-leaf at from 1s. 1½d. to 1s. 2d., siftings 6d. to 6½d., and *Pods* 1s. 8d. to 1s. 9½d.; for whole leaf 2s. 2d. was bid and refused. Ten bales Mecca sold at 7½d. for small leaf, and 6½d. to 7½d. for *Pods*. Privately, new pale green Alexandrian pods are quoted at 2s. per lb.

SHELLAC is quiet, with the usual standard TN Orange quality selling on a basis of 60s. to 61s. for fair, up to 76s. being quoted for fine Orange; sellers of AC Garnet quote 60s. fair free.

SODA HYPOSULPHITE.—Small crystals are offered at 18l. 10s. per ton in barrels, and at 18l. for ordinary to arrive.

SULPHONAL.—Crystals are quoted at 21s. per lb.

SULPHUR.—The Sulphur Consortium have advanced the price by 5 lira per 100 kilos.; in London prices remain unchanged, at 12l. to 12l. 10s. for flowers and 11l. 10s. for *roll* ex wharf.

THYMOL of German make is offered at 42s. 6d. per lb.

TURPENTINE has declined 1s. per cwt. in the week, American closing at 33s. 10½d. on the spot, but forward prices are higher.

VANILLIN.—Both the American and Swiss makers have advanced their prices considerably, and to import, the value from those sources is fully 36s. per lb. for 100-per-cent. pure. There are spot sellers of limited quantities at slightly lower figures than the foregoing.

Arrivals of Chemicals, Drugs, etc.

During the period July 28 to August 3 inclusive, the following produce from the places mentioned in parentheses has arrived at the English ports stated. Goods in transit are not included. The figures denote packages where not specifically described:

To London.

Acetic acid (Rotterdam) cks 37, bins. 68, (U.S.A.) brls. 103
Acetone (U.S.A. ports) dms. 356
Agar-agar (Japan) 30
Ajowan-seed (Calcutta) bgs. 181
Albumen (Hankow) 10
Alcohol, wood (U.S.A.) dms. 222
Ammon. phosphate (Boston) brls. 99
Anise oil (H.-Kong) cs. 25
Anatto-seed (Batavia) bgs. 134
Anchis oil (Rotterdam) brls. 1,200, (Marseilles) 362
Argol (Barcelona) cks. 50, (Naples) bgs. 184, cks. 40
Arrowroot (St. Vincent) brls. 2,998
Barytes (Genoa) bgs. 600
Benzoin (Singapore) cs. 106
Boric acid (N. York) brls. 84
Bromides (Boston) cs. 145
Calamus-root (Amsterdam) bls. 12
Camphor oil (Kobe) cs. 6
Camphor, ref. (Japan) cs. 400
Canary-seed (Morocco) bgs. 6,014, (Cadiz) bgs. 100, (B. Ayres) 2,372
Caraway oil (Rotterdam) cs. 8
Caraway-seed (Amsterdam) 50
Cardamoms (Colombo) 45
Cascara sagrada (N. York) bgs. 320
Casein (Charente) bgs. 335
Cassia-bark (Canton) 200
Chemical prod. (Bordeaux) cs. 6, (Paris) pkgs. 42, (Trepport) cs. 5
Chemical prod., medicines, etc. (N. York) pkgs. 326
Cinchona (Calicut) bls. 164, (Tuticorin) 12, (Amsterdam) cs. 36
Cinnamon oil (Ceylon) cs. 8
Citronella oil (Ceylon) dms. 182
Coconut oil (Cochin) hds. 210, (Galle) cks. 141
Cod oil (Japan) cs. 500
Coriander (Morocco) bgs. 1,577
Cream of tartar (N. York) brls. 17, cs. 40, (Marseilles) cks. 270
Cubebs (Singapore) 60
Cumin-seed (Alexandria, etc.) 102, (Morocco) bgs. 1,007
Dextrin (Boston) bgs. 100, (Amsterdam) 100
Dragon's-blood (Singapore) cs. 15
Drugs and medicines (Boston) cs. 101, (Montreal) pkgs. 24, (N. York) pkgs. 103, (Philadelphia) cs. 22, (Japan) cs. 64
Epsom salt (N. York) bgs. 294, brls. 100
Essential oils (Holland) cs. 21, (Batavia) dms. 18, (Malaga) dms. 3, (N. York) cs. 30, drms. 1, (H.-Kong) cs. 30
Farina (Rotterdam) bgs. 330
Fenugreek-seed (Morocco) 650
Formaldehyde (N. York) cks. 20, brls. 114
Formic acid (Rotterdam) cks. 34, cs. 34
Gelatine (Paris) bls. 65
Ginger (Calicut) bgs. 694, (H.-Kong) cks. 100
Glucose (U.S.A. ports) brls. 1,640
Glycerin (Amsterdam) dms. 30
Gum acacia (Suez) bgs. 160
Gum copal (Macassar) pkgs. 5,197, (Singapore) 458
Gum damar (Macassar) pkgs. 2,917, (Singapore) 963
Gum kauri (Auckland) sks. 132
Gum, undescribed (Amsterdam) bgs. 15, (Bordeaux) bgs. 600, bls. 20, (Adelaide) bgs. 3,357
Henna-leaves (Egypt) bgs. 12
Honey (France) bgs. 10, (N. York) brls. 58, ½ brls. 9, (N. Zealand) cs. 172, (Havre) cks. 28
Illipe-nuts (Singapore) bgs. 1,258
Indigo (Calcutta, etc.) 61
Kola (Colombo) 2
Lemongrass oil (Cochin) dms. 10
Linsced (Calcutta) bgs. 54,183, (Morocco) bgs. 3,182
Lithopone (Rotterdam) cks. 39, (N. York) brls. 168
Magnesite (Rotterdam) bgs. 223
Menthol (Kobe) cs. 15
Mineral waters (France) cs. 1,102
Mineral white (Genoa) bgs. 400
Mint oil (Kobe) 50
Naphthalene (Rotterdam) cks. 40
Nutmegs, mace (W. Indies) pkgs. 35; mace (Singapore) 68
Nux vomica (Marseilles) bgs. 158
Olive oil (Tarragona) brls. 40, cs. 39, (Bordeaux) cs. 17, (Seville) cs. 40, brls. 232, (Marseilles) cks. 89, cs. 158
Opium (Marseilles) cs. 35
Orange-peel (Marseilles) bls. 20
Papain (Colombo) cs. 7
Pepper (Calicut) bgs. 305, (Singapore) 409, (Penang) 245
Peptone (N. York) pkgs. 33
Perfumery (Boulogne) cs. 17, (Marseilles) 28
Petrolatum (N. York) brls. 35
Pharm. prod. (N. York) pkgs. 107
Potash iodide (Kobe) cs. 20
Potash permang. (Trepport) cks. 29
Potash prussiate (France) cks. 12
Potash salts (Archangel) cks. 18
Quassia wood (N. York) pcs. 316
Quicksilver (Spain) bott. 10
Quinine (Amsterdam) cs. 80
Rape-seed oil (Kobe) 1,500
Roots, barks, herbs, etc. (Rotterdam) pkgs. 107, (N. York) pkgs. 31; roots and seeds (Marseilles) bgs. 29; leaves, flowers, etc. bls. 122
Rose and geranium oils (Marseilles) cs. 30
Saccharin (Rotterdam) cks. 2
Saltpetre (Calcutta) bgs. 5,590
Sandalwood (Batavia) bgs. 21
Sandarac (Morocco) 14
Seedlac (Calcutta) bgs. 556
Senna (Tuticorin) bls. 175, (Egypt) 4
Shellac (Calcutta) cs. 2,915, bgs. 112; garnet cs. 725; button cs. 345
Soda cyanide (Holland) brls. 4
Soda hypo. (N. York) brls. 300, kgs. 1,837
Soda oxalate (Trepport) cks. 30
Soda prussiate (Rotterdam) cs. 4
Soya-bean oil (Dairen) cs. 27,000, (Japan) 500
Tamarinds (Calcutta) cks. 50
Tartar (Valencia) bgs. 236, (Genoa) brls. 20, (Naples) cks. 34, (Marseilles) bgs. 274
Tartaric acid (Italian ports) brls. 220
Turpentine (Seville) dms. 159

Vanilla (Mauritius) cs. 14
 Wax, bees' (Lisbon) pkgs. 36,
 (Calcutta) cs. 29, pkgs. 105,
 (Rangoon) bgs. 12, (Mar-
 seilles) cs. 23, pkgs. 350,
 (Morocco) pkgs. 139
 Wax, veget. (Japan) 315
 Wine-lees (Valencia) bgs. 498
 Zinc oxide (U.S.A. ports) 760,
 (Holland) 150
To Manchester.
 Acetic acid (Rotterdam) cbys.
 20
 Calcium acetate (N. York) bgs.
 322
 Calcium carbide (Gothenburg)
 dms. 1,500, (Skien) 600
 Cream of tartar (Genoa) cks.
 15, (Palermo) cks. 28
 Herbs (Genoa) bls. 11
 Lemon-juice (Messina) pps. 50,
 cks. 46
 Magnesite (Drammen) bgs. 508
 Olive oil (Leghorn) bxs. 952,
 cks. 3
 Soda nitrate (Skien) cks. 198
 Soda prussiate (Rouen) cks. 36
 Sulphur (Catania) bgs. 9,090,
 cks. 207, brls. 942
 Tartaric acid (Genoa) brls. 20
To Liverpool.
 Acetic acid (Boston) cs. 10
 Antimony ore (Chile) bgs.
 11,458, (Melbourne) 2,679
 Barytes (Boston) bgs. 349
 Borax (Chile) bgs. 4,598
To Folkestone.—Drugs and chemicals (Calais) pkgs. 43; per-
 fumery (France) pkgs. 47. **To Grimsby.**—Dyes (Dieppe) cs. 261.
To Hull.—Acetic acid (N. York) brls. 274; boric acid (Leghorn)
 brls. 145; carbon black (N. York) 100; chemical prod. (Dunkirk)
 bgs. 200; lead acetate (N. York) brls. 80; cod-liver oil (Nor-
 wegian ports) brls. 104; cottonseed (Larnaca) tons 169, (Alexan-
 dria) cwt. 38,920; glycerin (Amsterdam) dms. 100; olive oil (Italy)
 cs. 91, bxs. 9; soda bisulphate (N. York) brls. 118; soda prussiate
 (Gothenburg) cks. 67; tartaric acid (Naples) brls. 170. **To South-**
ampton.—Casein (St. Malo) bgs. 50; drugs (Havre) cs. 20; per-
 fumery (Havre) 5; wax, bees' (St. Malo) 20.

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date of July 17:

AGAR-AGAR.—Some small parcels of first strip have been imported, which are offered at m.10 per kilo., but the demand has somewhat fallen off. In Berlin m.10.50 has been paid, but new imports are expected, which can be had at from m.9.00 to m.9.50 per 100 kilos. for August and September delivery.

BALSAMS.—*Copaiba* is firm, though there is little demand. *Peru* is also slow, and prices are lower at from m.22 to m.25 per kilo. *Tolu* is firm, but quiet at m.6.50 per kilo.

BARIUM SALTS.—*Nitrate* is offered in large quantities, but the demand is only small at from m.55 to m.58 per 100 kilos.

CANTHARIDES are offered at m.23 per kilo., but there are no buyers.

CARBON BISULPHIDE is offered at m.75 per 100 kilos.

CARBONIC ACID.—The Syndicate has advanced the price per 10-kilo. cylinder from m.4 to m.4.50.

CASCARA SAGRADA has been sold at from m.150 to m.155 per 100 kilos., with a better demand.

CEVADILLA remains unchanged at m.175 per 100 kilos.

CITRIC ACID.—The demand has fallen off, as substitutes have been offered in large quantities of late. Lead-free crystals are consequently obtainable at m.15 or m.14. Chemically pure is quoted at from m.16 to m.16.50 per kilo.

COCAINE HYDROCHLOR.—Second-hand stocks are offered at from m.190 to m.200 per kilo.; the demand is only small.

DAMAR.—Batavian is offered by neutral countries at m.240 per 100 kilos. for A.E.

ERGOT.—The demand is almost nil; Russian is offered at m.5 per kilo.

KOLA is quiet, but firm. Fair quarters are offered at from m.125 to m.130, and halves at from m.115 to m.120 per 100 kilos., according to quality.

LEAD.—The price of the metal has been advanced by m.10 per ton, so that at present the prices are m.63 per dz. in wholesale and m.72.50 in retail trade. The prices of lead-compounds have also advanced; red-lead is quoted at m.74 per 100 kilos. for chemically pure.

LYCOPodium is cheaper, as the quantities on offer increase; m.6.35 per kilo., in cases and m.6.25 in bags is quoted.

OILS (ESSENTIAL).—*Star-anise* is offered at m.14.75; business is dull in *Cassia* at from m.8.50 to m.9.50. *Eucalyptus*

Calcium borate (Chile) bgs.
 7,363
 Caraway-seed (Holland) 25
 Chemical prod. (Montreal) cs.
 22
 Coconut oil (Sydney) dms. 1,000
 Cream of tartar (Barcelona)
 kgs. 5, (Bordeaux) cks. 27,
 (Marseilles) cks. 20
 Drugs (Havre) cs. 36
 Gum acacia (Alexandria) bgs.
 25
 Henbane-leaves (Alexandria)
 bgs. 14
 Honey (Trinidad) cs. 68
 Iodine (Chile) kgs. 131
 Lemon-juice (Palermo) pps. 25
 Lime-juice (W. Indian ports)
 hds. 10, cks. 47, pns. 166,
 pkgs. 183
 Lime oil (Dominica) cs. 8
 Linseed (Philadelphia) bgs.
 1,368
 Liquorice-juice (Naples) cs. 130
 Olive oil (Bordeaux) cs. 220,
 (Marseilles) cs. 560, (Corfu)
 brls. 65
 Orchella-weed (Lisbon) bls. 43
 Perfumery (Havre) cs. 37
 Quebracho ext. (B. Ayres) bgs.
 3,000
 Quicksilver (Spain) bott. 30
 Quillaia (Chile) bls. 62
 Pimento (Jamaica) 100
 Roots, barks, herbs, etc. (Mar-
 seilles) bls. 29
 Soda hypo. (U.S.A.) brls. 92
 Wax, bees' (Chile) pkgs. 580

is offered at m.4.75. *Lime* is quoted at m.20. *Menthol* is easy, and is quoted at m.32.50. *Japanese Mint oil* is firm, and obtainable at m.13.50. *Siberian Pine-needle* is to be had at m.3.75. E.I. *Sandalwood* prices are m.50 per kilo. and over. *Thymol* is still obtainable at m.60 per kilo.

QUICKSILVER for prompt delivery is a little cheaper, being obtainable at m.235 per bottle; the demand has somewhat fallen off. The sudden change of prices is due to increased or smaller demand, and the same is the case with mercurials. At present the offered quantities exceed the demand, and second-hands offer at somewhat lower prices than those of makers.

SHELLAC.—The demand has diminished, and only small quantities have been sold; the market remains firm, however, and owners of considerable quantities have quite withdrawn from the market. At present TN is obtainable at m.240 per 100 kilos., and AC Garnet is m.245 to m.250.

TARTARIC ACID remains in active demand, and prices have advanced from m.10.50 to m.11 per kilo.

VANILLIN.—After the makers had advanced the price by m.20 to m.30, the demand for second-hand increased considerably; second-hand stocks are only small, however.

American Drug-market.

In view of the interest which the American market has for European buyers of fine chemicals the following notes from the "New York Commercial" of July 21 and 24 and other sources may be of interest. They are the spot values prevailing in New York, and, although they are mostly nominal, they are an approximate guide:

ACETPHENETIDIN.—Sales were made at \$4.75 to \$5.00, and that is apparently an inside quotation.

ANTIPYRIN.—Owing to a sharp shrinkage in the spot stocks prices have been advanced to a minimum of \$12.00 to \$13.00 from \$9.50 to \$10.00.

BROMIDES.—Second-hands were asking \$1.75 for all grades, as manufacturers are not making deliveries.

CAFFEINE.—Makers are only able to care for a small part of the demand, and second-hands have advanced quotations for the alkaloid to a minimum of \$7.50 to \$8.50 per lb.

CAMPOR MONOBROMATE.—A few sellers advanced prices to \$2.50 per lb.

CHLORAL HYDRATE.—Buyers were bidding \$1.00 per lb. for crystals, and no offerings appeared below that figure.

CREOSOTE.—Beechwood is very scarce at \$1.50

EPSOM SALTS.—Large export sales have been made at 4c. per lb. New York.

FORMALDEHYDE.—Makers have made no change in their schedule, but a premium is being paid for export.

NAPHTHALINE.—Sales were made at 17c. per lb., but the spot market is 14c. to 17c. per lb., according to holder.

PHENOLPHTHALEIN.—Sales to the amount of 100 lb. were made by a Philadelphia house at \$5.00. Spot stocks are said to be cleaned up.

POTASH.—U.S.P. carbonate of potash was higher at 30c. to 35c. per lb. Permanganate was held at \$1.00 per lb.

QUICKSILVER.—Offerings were being made at \$95 to \$100 per flask for jobbing quantities.

SACCHARIN.—There was a steady demand from domestic and export sources, and sales were made as high as \$4.75 to \$5.00.

SALICYLIC ACID.—The demand has fallen off considerably, and numerous offers are being received.

SODA BENZOATE is now quoted at a minimum of \$2.90 to \$3.00 per lb. owing to scarcity.

A Sale of Essential Oils.

Some high prices were realised at a sale at Ipswich on July 29 of some essential oils salvaged from the steamer *Obidense* wrecked six months ago off Felixstowe. The oils were manufactured by Schimmel & Co., and some of the prices paid included four 15-lb. bottles of wintergreen oil at 87. each; eight 5-lb. bottles of benzyl acetate went at 47. 7s. 6d. each, and twelve 11-lb. bottles of cinnamic aldehyde at 37. 5s. per bottle. A dozen 3½-gal. tins of rosemary oil sold at 27. 17s. 6d. to 37. a tin. Other lots consisted of caraway-seed oil, rose compound, spike-lavender, etc. There was a romance about the salvage of these oils. Seven Felixstowe beachmen had made ten trips to the wreck and salvaged what they considered valuable in the shape of gear and fittings, but on their last trip filled up their boat with a few samples from the holds, and these proved far more valuable than all the other stuff they brought ashore, which was much bulkier. According to these fishermen, there is a large quantity of these valuable oils on the wreck, but the naval authorities have now prohibited the men going beyond a mile from the shore. The *Obidense* was on her way to America with a valuable cargo of synthetic chemicals and oils, and it is possible some more of the cargo will be salvaged.



Memoranda for Correspondents.

Communications should be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed, even when the writers use a "nom de plume."

Complete and systematic indexes of the "C. & D." are presented with the last issues in June and December each year. Every subject dealt with week by week is included, and correspondents are advised to refer to these and the "C. & D. Diary" before asking the Editor for information, so as to save time.

Reform of the P.A.T.A.

SIR,—After reading the report of the annual meeting of the Proprietary Articles Trade Association (C. & D., July 19 and 17), and Mr. Vorley's letter (C. & D., July 31, 1912), I am not quite clear as to the cause of the dissension; but since there are some 5,000 retailers, more or less, sufficiently interested in the Association to subscribe to its funds, it is probable that a good few of them have read Mr. Vorley's letter carefully. I hold that the manufacturers get the cream of the profit accruing from the policy of the Association, and that it is unreasonable to expect retailers to favour one firm's products rather than those of another in the absence of higher profit or a greater public demand. This, however, does not touch the point which Mr. Vorley is anxious about; he is attacking the constitution of the Association on account of the unequal presentation of its three classes of members on the Council, and his letter makes out a good case. The Association has one splendid, a magnificent, service to the drug-trade; all successful Associations, especially all that are laying money, are apt to think that their very success is a proof that their methods are perfect, and hence they are apt to set into a rut. Those at the head of the P.A.T.A. might take a friendly hint that there may be something in the intention of Mr. Vorley and his friends, and that the constitution of the Association might possibly be modified in certain directions, with no disadvantage to any of its members.

Faithfully yours,
CIVES. (91/19.)

SIR,—I have read the recent reports about the P.A.T.A.—our editorial and Mr. Vorley's letter—and I think that a good rough breeze will do a lot of good. There is only one way to bring peace to the various contending parties, and that is to load up the retailer with stock so that he will at any rate not lose sales. The only way to do that is to reduce the 5*l.* limit to 2*l.* in articles like Woodward's and Wright's, and 1*l.* in articles which can be sent by post. The 2*l.* class is small—say, 25 in all—so that every retailer could have a decent working stock without overloading his capital or his shelf space. And such goods come by passenger train. The 1*l.* class you can make as numerous as you wish without doing much harm in overloading, but fifty such patents added to twenty-five of the 2*l.* class would give every small retailer a good representative stock of live lines at 100*l.* He would also depend mostly on the post and passenger train for supplies, instead of waiting ten days or a fortnight for goods-train orders. Ever since the railway strike (four years ago) there has been delay and trouble over stock, which, of course, is worse in war-time. But if you slay the 5*l.* limit you put the right foot for stock. The 5*s.* subscription from retailers would well be made a special discount from manufacturers on certain lots, or could continue as at present, or could be dropped. The one great point is the chemist's interest in the goods, and how can you get interest if the man does not keep the goods? The great majority of the retailers do not keep books; they do not yet all admit that their present sales are 50 per cent. of their takings where fair prices and no subscription is the game; therefore they do

not know just how much the P.A.T.A. has done for them. Such men will die off in time, but they are not all old men by any means. It would be idle to attempt to convert them. Few of them ever go near a local Association meeting, so you cannot get at them. But I will just say this to them: (1) How much is it worth to Boots' 500 shops? (2) Is it worth 100*l.* per shop in extra profit? That means 50,000*l.* a year. (3) If it is only worth 50*l.* a year to you, is it cheap at 5*s.*? (4) But how can you earn the 50*l.* unless you have always got the goods, and unless you show them and are equally ready to supply them? Make it a rule that no retailers be able to obtain the 1*l.* or 2*l.* direct parcels unless they be members of P.A.T.A. That would settle it. Look at Dearborns, whose advertisements are being looked upon with suspicion by some retailers because of the peculiar new style of advertising. But they sent us any amount on sale and return, and it pays me and must pay them. Yet few men would stock their goods if they had to order 5*l.* lots, so that both retailer and maker would lose. Why was 5*l.* made the limit? In whose interests was it fixed at that amount? If it is an absolute rule, how is it that Scott sends us 2*l.* 10*s.* worth? And yet I buy odd lots of quarter dozens and half dozens from my wholesalers in addition to my direct supplies, proving that wholesalers do not object to Scott and his 2*l.* 10*s.* limit. If it is agreed that many retailers do not give P.A.T.A. lines a decent show, I ask, Can you overcome that by haggling, or preaching, or giving them the goods to sell?
Yours, etc.,

JAY MACK.

Pharmacists' Emoluments.

SIR,—Your correspondent, in instancing the anomaly of pricing certain tablets, etc., much below cost, is but citing an extreme instance of the principle underlying the whole system of N.H.I. charges. Axiomatic in civilised countries is the idea that all holders of positions of trust should receive such remuneration as lifts all but the basest above pecuniary temptation and makes corruption, if not impossible, highly improbable. Now, pharmacists, not less than stipendiary magistrates, occupy positions of considerable trust; not only are they the channel of communication between doctors and patients, not only do their skill, accuracy, and probity determine immediately the welfare of the patient, but they are also not seldom the patient's safeguard against possible errors on the part of the doctor. The non-application, in this case, of the "trust" principle in the drawing-up of Tariff prices under the N.H.I. Act makes it inevitable that one at least of the following propositions must be true: (1) It is unnecessary to associate reasonable remuneration with positions of trust; (2) pharmacists are men of greater integrity than judges; (3) pharmacists are not immune from temptation to make "free" translations of doctors' orders.

Yours faithfully,

Chester.

R. CECIL OWEN.

The Price of Aspirin-tablets.

SIR,—We quite agree with "M. P. S." in his remarks about acetylsalicylic-acid tablets: at the same time, we think his quotation of 3*s.* 7½*d.* per oz. somewhat inflated, considering that we are offering the tablets in our advertisement at 23*s.* 9*d.* per 1,000. When we brought our action for the avoidance of the German trade-mark "Aspirin" before the Comptroller, we stated that we would do our utmost to keep down the price, and we think we have held good to our compact; but if the chemist insists upon paying a large percentage over the market price it is his own fault.

THE KEENE CO.

50 Gray's Inn Road, London, W.C.

Dispensers in the Army.

SIR,—I consider that "Lieut. R.A.M.C." misses the point with reference to the aspirations of dispensers—especially qualified dispensers—in the Army. The mere rank of sergeant is not a sufficient recognition, and a commission of, say, second-lieutenant would be a truer measure of justice. Moreover, the civilian dispenser in a military hospital is in a most unsatisfactory and subordinate position, having no authority whatever, but liable to be dictated to by the "clerky" sergeant, who by virtue of being a member of St. John Ambulance Brigade quickly attains rank. Further, in some military hospitals the regulations demand of the civilian dispenser "to hand over all keys and report to N.C.O. on duty before leaving." One of the reasons why medical men desired and obtained rank was the lack of authority, and consequently the frequent undignified appeals to the sergeant for the enforcement of instructions. Undoubtedly qualified dispensers should have similar privileges and conditions to medical officers—rank, no age-limit, freedom, and alternate night or evening duty.

Faithfully yours,

Lewisham, S.E.

GRAHAM BOTT.

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1915, beginning on page 405.

Alpha (181 60).—Co-operative Societies which sell P.A.T.A. articles at P.A.T.A. minimum prices and give the customary dividend upon them break the P.A.T.A. rule. What you should do in such a case is to inform the Secretary of the Proprietary Articles Trade Association who are the offenders, but that Association has no ground for legal action against the Co-operative Society.

Rangoon (183/51).—The only persons who are eligible to become members of the Pharmaceutical Society of Great Britain are those whose names appear on the Register of Chemists and Druggists, and the Pharmacy Acts do not enable druggists in India who have passed examinations conducted in India to be registered on these examinations as chemists and druggists in Great Britain.

Salol (182 31).—Easton's syrup and compound syrup of hypophosphites are scheduled poisons, but as they contain less than 0.2 per cent. of strychnine they are in Part 2 of the schedule, and may be sold to any purchaser without entry in the poison-book. This, however, does not apply to compressed tablets each of which represents 1 drachm of Easton's syrup; these tablets are Part 1 poisons, and may only be sold to persons known to the chemist and under other Part 1 conditions.

Tenant (184 '47) holds certain premises under an agreement which provides that they are to be held "on an annual tenancy dating from September 29, 1914. And the said tenancy shall so on continue from twelve months to twelve months until the same shall be determined by six months' notice in writing." He has given six months' notice terminating the tenancy on September 29 next. Is the landlord right in asserting that the tenancy must last for at least two years? [We are of opinion that the tenancy cannot, except with the landlord's consent, be terminated before September 29, 1916.]

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas of them. When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, but give the reference to the issues in which the information may be found. If querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

J. M. W. (180 23).—STANDARD FOR CHLORINE IN RAG FLOCK.—See *C. & D.*, August 22, 1914, p. 54, where also is given the analytical method for the determination of chlorine.

Massage (176 21).—ROLLING CREAM.—See *C. & D.*, May 22, p. 62, for a series of toilet-creams, some of which are of the type you require.

O. O. (178 67).—BLACK FOR MOTOR-CYLINDERS.—Vegetable blacks and enamels are not suitable for this purpose on account of the effect of heat on these applications. Graphite is about the most suitable paint for the purpose.

W. E. C. (173 73) and *T. J. W.* (167 41).—FURNITURE-WORMS.—The methods of dealing with these pests were described in the *C. & D.*, March 23, 1914, p. 82.

H. R. D. (169 43).—NAIL-POLISHING POWDER.—The following are two representative recipes from "Pharmaceutical Formulas":

I.		II.	
Putty powder	... 5viij.	Oleate of tin (in powder)	... 5ij.
Carmine	... 9j.	Powdered pumice	... 5iss.
Otto of rose	... mvj.	Oil of lavender	... mv.
Oil of neroli	... mv.		
Triturate well together.		Mix well by trituration, and sift three times through a No. 120 sieve.	

Extra (180 13).—PARA-DICHLORO-BENZENE was recommended recently as an insecticide in a Bulletin of the United States Department of Agriculture. It is non-inflammable, and is used in a similar way to camphor and naphthalene.

Verbal (172 11).—VIOLIN-VARNISH.—The following is from "Pharmaceutical Formulas":

Sandarac	...	...	...	5iss.
Shellac	...	...	...	5vj.
Mastic	...	...	...	5vj.
Elemi	...	...	...	3iij.
Spirit	...	...	...	3xx.

Dissolve by shaking, then warm and add—
Venice turpentine ... 3vj.

Dissolve, allow to stand until clear, and decant the clear portion.

J. M. (175 49).—WART-PAINT.—The following are good examples of wart-cures for retail sale:

I.		II.	
Glacial acetic acid	... 5vj.	Salicylic acid	... 5iiss.
Strong acetic acid	... 5j.	Resorcin	... 5iiss.
Saffron	... gr. v.	Lactic acid	... 5iiss.
Isinglass	... 5ij.	Flexible collodion	... 5xv.
Macerate a few days, and strain.		Ether	... 5v.
		All by weight.	

P. K. (91/19).—MANUFACTURE OF POTASSIUM BROMIDE.—The following are the details of the process to which you refer: Iron filings 8 parts is introduced into a flask with 20 parts of water, to which 16 parts of bromine is gradually added with constant agitation and careful cooling. When the reaction is complete and the green solution of ferrous bromide is obtained, it is decanted and another 4 parts of bromine added. The solution is then treated with a slight excess of milk of lime, by which means the whole of the iron is precipitated as magnetic iron. Potassium sulphate 21 parts is now added, and the mixture is heated on a steam-bath. The hot solution is filtered off, and the precipitate washed with hot water, only the first part of the washings being added to the filtrate, the subsequent portions being reserved for a subsequent operation. The small amount of sulphate in the filtrate is then precipitated by the cautious addition of a little barium-bromide solution, any slight excess of this salt being decomposed with a very slight excess of potassium carbonate. The solution is then filtered and the filtrate neutralised with a trace of hydrobromic acid, concentrated, and crystallised.

Cortex (179 54).—LABELLING TINS.—We have frequently published information as to the methods of making label adhere to tins. The following is a recent recommendation from an American source:

Wheat flour	...	...	2 to 4 oz.
Corn starch	...	...	2 dr.
Powdered alum	...	...	2 dr.
Carbolic acid	...	...	1 dr.
Clarified honey	...	...	1 to 2 oz.
Balsam of fir	...	...	1 oz.
Water	...	...	8 oz.

Mix the solids with the water, and heat the mixture on a water-bath until a stiff paste results. Then add the phenol and the honey, and after mixing well slowly pour in the balsam of fir and stir until it is thoroughly distributed.

It is stated that facitious Venice turpentine can be employed in place of balsam of fir.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," August 15, 1865

News.

Mr. John Pouncy, of Dorchester, the inventor of photographic-carbon printing, who has already received the medals of the French and Scottish Photographic Societies, has lately been awarded the medal at the International Photographic Exhibition at Berlin for his photographs in printers' ink.

NEW FRENCH PHARMACOPEIA.—The present French Code was issued in 1837, and is therefore considerably behind the science of to-day. A new edition has been prepared by the Professors of the Faculty and of the School of Pharmacy, and the manuscript is now in the hands of M. J. I. Baillié, the eminent publisher, who has paid 1,000*fr.* for the privilege of bringing it out.

NEW METHOD OF PREPARING OXYGEN.—M. Carlevaris, of Genoa, has proposed a new method of preparing oxygen gas on the large scale. The process consists in heating a low redness the ordinary black oxide of manganese with siliceous sand. Silicate of manganese is formed and oxygen liberated. It is said that the gas may be produced in this manner at Genoa at a cost of 40 centimes per cubic metre.

**GUARANTEED (LIKE "CONDY'S FLUID") NOT TO CONTAIN
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The New Remedy in Amœbic Disease.—Vide *British Medical Journal*, Aug. 24, 1912, pp. 405-408.

Emetine for Hæmoptysis. Vide *Press Médicale*, Paris, September 24.—"The result is surprising, hæmorrhage from the lung ceasing at once."—Prof. C. FLANDIN.

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A Treatment for Intestinal Disorders. Effective in Diarrhoea. Prevents Appendicitis and Infectious Diseases.
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Acetanilide, B.P., 1 lb. @ 6/- lb.; powder, 1 lb. extra.
 *Acet. Ipecac., B.P., 7 lbs. @ 2/2 lb.
 " Scilla, P.B., 7 lbs. @ 5d. lb.
 *Acetone, 6 lbs. @ 2/3 lb.; 1 lb. @ 2/8 lb.
 *Add. Acet. Glacial, 99%, Carboys, 132 lbs. @ 9/-; 12 6-lb. bots. @ 1/- lb.; 6 lbs. @ 1/1 lb.
 " Acetylo-Salicyl. 1 lb. @ 34/- lb.
 " Benz, B.P., 7 lbs. @ 8/9 lb.; 1 lb. @ 9/3 lb.
 " Boric Pulv., 3 cwt. @ 43/6 cwt.; 1 cwt. @ 45/- cwt.; levigd. 3/- cwt. or 3d. lb. extra. 56 lb. drums @ 1/11 lb.
 " Carb. Xts., 39/40; 12 1-lb. Bots. @ 2/4 lb.; Single Bots. @ 2/6 lb.; Detached Cryst. 1 lb. @ 2/8 lb.; Crude Black, 45 gall. casks @ 1/- gal.; 5 gall. drums @ 1/6 gal.; 1 gall. tins @ 1/8 each.
 " Citric, cryst., B.P.'85, 7 lbs. in bags @ 3/9 lb.; powder 3d. lb. extra.
 " Diethylbarbituric, 1 oz. @ 3/6 oz.
 " Gallic, pur., P.B., 7 lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.
 " Hydrobrom. Dil., B.P., 6 lbs. @ 1/10 lb.
 " Hydrochlor. Comul., cases of 4 2-gal. jars, 20/- each; 20 case lots @ 21/6 each.
 " Hydrocyan. P.B., 6 lbs. @ 1/8 lb.; 1 lb. @ 1/11 lb.; 36 1-oz. Vials @ 6/6 doz.
 " Oxalic Cryst., 1 cwt. @ 1/3 lb.; 14 lbs. @ 1/4 lb.
 " Phosph. Dil., B.P., 7 lbs. @ 5d. lb.
 " Salicyl. pulv. 1 lb. @ 16/- lb.
 " Sulphur, Comul., cases, 4 2-gal. jars, 22/- each; 20 cases @ 21/6 each.
 " Sulph. Aromat. B.P., 5 lbs. @ 4/- lb.
 " Tannic, B.P., 1 lb. @ 5/6 lb.
 " Tart., cryst. or pulv. B.P., 1885, 7 lbs. @ 2/6 lb.; parv. 3d. lb. extra.
 " Benz, B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.
 " Ergo. Atris Pulv., 14 lbs. @ 11d. lb.
 " Iod. Barb., English ground, 28 lbs. @ 112/- cwt.; 7 lbs. @ 1/1 lb.
 " Iod. Socot. 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/6 lb.
 " Iod. B.P., 1 lb. @ 4/9 lb.
 " Mon. Benz. 7 lbs. @ 8/9 lb.; 1 lb. @ 9/3 lb.
 " Mon. Brom. P.B., 7 lbs. @ 9/10 lb.
 " Mon. Carb. Lump, 3 cwt. @ 5d. lb.; 28 lbs. @ 6d. lb.; 7 lbs. @ 7d. lb.; powder, 3d. lb. extra.
 " Mon. Chlor. 99% pulv., 1 cwt. @ 44/- cwt.; 7 lbs. @ 6d. lb.; Batteries, 4/- cwt. extra.
 " Nyl. Pulv. 10 cwt. @ 16/- cwt.; 2 1/2 cwt. @ 16/8 cwt.; 1 cwt. @ 18/6 cwt.
 " Iod. Barb., English ground, 1 cwt. @ 60/- cwt.; 7 lbs. @ 7d. lb.
 " Iod. Nig. Pulv., 1 cwt. @ 84/- cwt.; 14 lbs. @ 89/- cwt.
 " Iod. Tart. pulv. 7 lbs. @ 3/0 lb.
 " Iod. 1 lb. @ 34/- lb.
 " Iod. Anethi Conc. 1-40, 1 lb. @ 3/2 lb.
 " Anethi Conc. 1-40, 1 lb. @ 3/4 lb.
 " Auran. Conc. 1-40, 1 lb. @ 6/4 lb.
 " Auran. Trip., 6 lbs. @ 8d. lb.; 53 lbs. @ 23/-
 " Clunio. Conc. 1-40, 1 lb. @ 3/7 lb.
 " Laurocerasi, 6 lbs. @ 8d. lb.
 " Menth. Pip. Conc., 1-40, 1 lb. @ 3/3 lb.
 " Rosæ Conc. 1-40, 1 lb. @ 7/3 lb.
 " Rosæ Trip., 53 lbs. for 25/- 6 lbs. @ 8d. lb.
 " Samb. Conc., 1-40, 1 lb. @ 6/4 lb.
 " Samb. Trip., 6 lbs. @ 8d. lb.
 " Iod. Barb., fine powder, 7 lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.

Argent. Nit., 6's to oz., 25 oz. @ 1/10 1/2 oz.; 1 oz. @ 2/1 oz.
 Argent. Nit., Cryst., 25 oz. @ 1/9 oz.; 8 oz. @ 1/10 oz.
 Arsenic, Alb. Pulv., 2 cwt. @ 20/- cwt.; 7 lbs. @ 4d. lb.
 Atropinæ Sulph., P.B., 1 oz. @ 95/- oz.
 Auri Chlor., 6 doz. 15 gr. tubes @ 21/3 doz.; 1 doz. 15 gr. tubes @ 21/6 doz.

Bals. Copalba, pure, 44 lbs. @ 1/10 lb.; 9 lbs. @ 2/1 lb.; 1 lb. @ 2/5.
 " Peruv., P.B., 1 lb. @ 20/- lb.
 " Sulphur, 7 lbs. @ 9d. lb.
 " Tolut. B.P., 50 lbs. @ 2/3 lb.; 1 lb. @ 3/1 lb.
 Bismuth, P.B., Carb., 28 lbs. @ 11/9 lb.; 7 lbs. @ 12/- lb.; 3 lbs. @ 12/4 lb.; 1 lb. @ 12/8 lb. submt. 1/- lb. less.
 Boracic Mixture, 1 cwt. @ 50/- cwt.
 Borax, 1 cwt. @ 26/-; powder 1/- extra.
 Butyl-Chloral Hydras., P.B., 1 lb. @ 33/- lb.

Caffeine, P.B., 1 lb. @ 22/6 lb.
 Caffeine Cit., B.P., 1 lb. @ 16/3 lb.
 Calamine, powder, fine pink, 5 cwt. @ 11/6 cwt.; 1 cwt. @ 12/6 cwt.; 7 lbs. @ 2d. lb.
 Calamine B.P., 1885, 7 lbs. @ 1/- lb.
 Calcii Carb. Præcip., 5 cwt. @ 14/6 cwt.; 1 cwt. @ 18/6 cwt.; 28 lbs. @ 22/6 cwt.
 " Hydras., P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.
 " Hypophosph. Pur., P.B., 1 lb. @ 2/3 lb.
 " Iodid., 1 lb. @ 23/- lb.
 Camphor, English Flowers, "not artificial," 5 lbs. @ 2/5 lb.; 1 oz. or 1/2 oz. 7 lbs. @ 2/6 lb.; Crude, good white, about 92% as Imported, 140 lbs. @ 1/9 1/2 lb.; 28 lbs. @ 1/10 1/2 lb.
 Cantharides, Russian, 7 lbs. @ 16/- lb.; powder 6d. lb. extra.
 Capsicine, soluble, 1 lb. @ 9/6 lb.
 Carbo Animalis or Ligni, powder or lump, 1 cwt. @ 17/6 cwt.; 28 lbs. @ 2d. lb.
 Cardamoms, 28 lbs. @ 4/3 lb.; 7 lbs. @ 4/6 lb.
 Carmine, Finest 1 lb. @ 25/- lb.; No. 2, 1 lb. @ 20/- lb.
 Cera Alba, B.P., White Moons, 28 lbs. @ 2/5 lb.; 4 lbs. @ 2/7 lb.; Flav. 1 lb. Blocks, 28 lbs. @ 1/9 1/2 lb.; 4 lbs. @ 1/10 1/2 lb.; 1 oz. 1/2 oz. tabs., 7 lbs. @ 1/10 1/2 lb.
 Cerii Oxalas, 7 lbs. @ 2/3 lb.
 Cetaceum, No. 1, fine white, 64 lbs. @ 11d. lb.; 7 lbs. @ 1/1 lb.; powder, 7 lbs. @ 1/6 lb.; Chloral Hydras Cryst., B.P., 7 lbs. @ 10/- lb.; 1 lb. @ 10/4 lb.
 *Chlorodyne, 5 lbs. @ 2/3 lb.
 *Chloroform, pure, B.P., 12 8-lbs. @ 2/1 lb.; 8 lbs. @ 2/2 lb.; 6 1-lb. bots. @ 2/4 lb.
 Cocaine Hydrochlor., B.P., 25 ozs. @ 13/9 oz.; 4 oz. @ 14/10; 1 oz. @ 16/- oz.
 Codeina, 1 oz. @ 25/6 oz.; Phosph., 1 oz. @ 21/- oz.; Hydrochlor. or Sulph., 1 oz. @ 22/- oz.
 Colocynth, Apple, English ground, 1 cwt. @ 1/4 lb.; 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/7 lb.
 Composition Powder (Coffin's), 1 cwt. @ 62/- cwt.; 7 lbs. @ 8d. lb.
 Conf. Sennæ, P.B., 14 lbs. @ 10 1/2 d. lb.; 7 lbs. @ 11d. lb.
 Cort. Auran. Ext. Shreds, 7 lbs. @ 2/2 lb.
 " Cinchon. Rub. (Quill), 7 lbs. @ 1/1 lb.
 " Ulmi Pulv., 1 cwt. @ 11d. lb.; 7 lbs. @ 1/1 lb.
 Cream of Tartar, 98% powder, 1 cwt. @ 207/- cwt.; 7 lbs. @ 7/- lb.
 Creasote, Beechwood, P.B., 7 lbs. @ 7/11 lb.
 Creta Cauph., in sacks 10 cwt. @ 8d. lb.
 " Gall. Pulv., in sacks 10 cwt. @ 7/9 cwt.; 1 cwt. @ 9/3 cwt.; 14 lbs. @ 1 1/2 d. lb.

Creta Præparata, 7 lbs. in box @ 10 1/2 d. each.
 Cubeabæ, English Ground, 28 lbs. @ 1/11 lb.; 7 lbs. @ 2/- lb.

*Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/1 lb.; Sinecroco, 6 lbs. @ 1/3 lb.
 " Cinchonæ (Rubræ) Conc., 1-7, 6 lbs. @ 2/- lb.
 " Sennæ Conc., 6 lbs. @ 2/3 lb. [lb]

Emp. Spread, 12 yards x 16 ins. adhesive, 3/8 Bellad. B.P.C., Green @ 17/6; Cerat. Saponis @ 7/6; Picis Co. @ 7/6; Plumbi @ 6/-; Resinæ @ 4/6; Roborans @ 7/-; Saponis, B.P., @ 6/-
 Emp. Picis, P.B., 7 lbs. @ 8 1/2 d. lb.
 " Plumbi, P.B., 7 lbs. @ 8 1/2 d. lb.
 " Resinæ, P.B., 7 lbs. @ 8 1/2 d. lb.
 " Roborans, 7 lbs. @ 8 1/2 d. lb.
 Emulsio Ol. Morrhua, 5 lbs. @ 1/4 lb.
 Eserine Sulph., in 15-grain tubes, 7/- each.
 Ess. Bergam. (Oil), 12 lbs. @ 14/- lb.; 1 lb. @ 15/- lb.; not guaranteed absolutely pure.
 Ess. Limonis (oil) original coppers, 12 lbs. @ 5/6 lb.; 6 1-lb. bots. @ 6/- lb.; not guaranteed absolutely pure.
 *Ess. Moschi (not artificial), 5 lbs. @ 11/6 lb.; 1 lb. @ 12/3 lb.
 *Ess. Pear (artificial), Jargonelle, 5 lbs. @ 2/6 lb.; Bergamot, 3/- lb.
 *Ess. Pineapple, 5 lbs. @ 4/- lb.
 " Raspberry, 5 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
 " Vanilla Beans, 5 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.
 *Ext. Belladonna Liq., B.P., 5 lbs. @ 10/3 lb.; 1 lb. @ 10/4 lb.; solid, 7 lbs. @ 5/6 lb.
 Ext. Cannab. Ind., Alc., B.P., 1 lb. @ 54/- lb.
 Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/3 lb.; 10 lbs. @ 1/5 lb.
 *Ext. Ergot. Liq. P.B., 5 lbs. @ 4/9 lb.; 1 lb. @ 5/3 lb.; Solid, P.B., 4 lbs. @ 25/- lb.; 1 lb. @ 26/6 lb.
 Ext. Gent., P.B., solid, 1 cwt. @ 1/- lb.; 7 lbs. @ 1/2 lb.
 *Ext. Glycyrrh. Liq., B.P., 6 lbs. @ 2/1 lb.
 *Ext. Hamamelis Liq., P.B., 5 lbs. @ 3/9 lb.
 Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 6/- lb.; 1 lb. @ 6/- lb.
 *Ext. Ipecac. Liq., P.B., 5 lbs. @ 21/6 lb.; 1 lb. @ 22/6 lb.
 Ext. Malt. C. Ol. Jecoris, 10 lbs. @ 7d. lb.
 *Ext. Nucis Vom. Liq., P.B., 5 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; solid, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.
 Ext. Opil. Solid, P.B., 1 lb. @ 53/- lb.
 *Ext. Opil. Liq., B.P., 5 lbs. @ 4/3 lb.; 1 lb. @ 5/- lb.
 Ext. Quassia, Solid, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
 Ext. Sarsæ Co. Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.
 Ferri Ammon. Cit., P.B., 28 lbs. @ 3/10 lb.; 7 lbs. @ 4/- lb.
 Ferri Carb., 1 cwt. @ 24/- cwt.; 28 lbs. @ 4d. lb.
 Ferri et Quinina Cit., P.B., 100 ozs. @ 8 1/2 d. oz.; 25 ozs. @ 3 1/2 d. oz.
 Ferri Sulph., pure cryst., 1 cwt. @ 16/6; 7 lbs. @ 3d. lb.
 Ferrum Redact., 80%, 28 lbs. @ 3/9 lb.; 7 lbs. @ 4/- lb.
 Flor. Anth. Exot., 7 lbs. @ 1/6 lb.
 Fol. Buchu, oval, good green, 7 lbs. @ 2/8 lb.
 Fol. Hyoscyam. Bien., 7 lbs. @ 8/9 lb.; pulv. 8/- lb.
 Fol. Sennæ Alex. parv., 28 lbs. @ 8d. lb.

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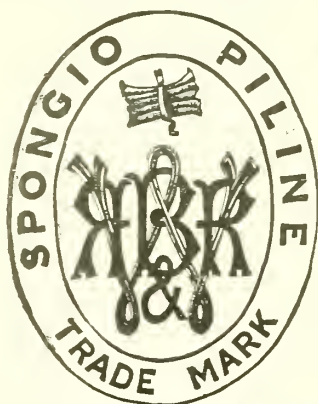
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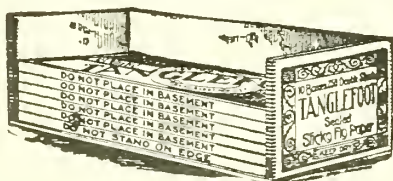
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in his Presidential speech at the Annual Conference of the Sanitary Inspectors' Association on August 6th, said: "The Fly-plague in South Africa was markedly diminished wherever punctilious care in the prompt removal of all refuse from the vicinity of the camp was combined with a liberal use of

TANGLEFOOT FLY PAPER."

The Times, August 9, 1902.

**ALABASTINE CO.****BRITISH,
LIMITED,****CHURCH STREET,
SOUTH LAMBETH,
LONDON, S.W.****ALSO OF
All Chemists' Sundriesmen.**

Parcel Post,
packed,
150 Sheets, 5/-

Per case of
500 Sheets, 15/-

NEW SIZE TANGLEFOOT, 10/6 per case of 400 Sheets.
TANGLEFOOT is specially adapted for hot Climates, and is sold throughout the world.

The Best of all Fly Catchers**TUNBRIDGE & WRIGHT'S
Fly Cemetery**

The original and best of all Sticky Fly Papers, 5/- per gross net, carriage paid. Cash with order.

**TUNBRIDGE & WRIGHT'S
Cemetery Fly Tape**

Very neat, simple, and efficacious, 6/6 per gross net, carriage paid. Two gross lots and up 6/- per gross, carriage paid. Cash with order.

**TUNBRIDGE & WRIGHT'S
Cemetery Fly Band**

The neatest, simplest, and cleanest of all band catchers. Packed in boxes containing three dozen. 7/- per gross net, carriage paid. Cash with order.

**TUNBRIDGE & WRIGHT
READING**

London Depot—20 LITTLE BRITAIN, E.C.
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Telegrams: "FLIES READING." Telephone: 496 Reading.

THE DOOMO AIR SHIP FLY BAND

FROM THE PATENTED

GUMMED ON BOTH SIDES

A wide band sticky on both sides, unrolling like a blind.

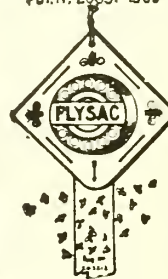
Proprietors of FLYDOOMO—the old Favourite Fly Paper.

Jno. H. Smith & Co.

NEWARK-ON-TRENT.

FLYCATCHERS.**THE FLYSAC**

Reg. Trade Mark
Pat. No. 20631-1909

**THE VAMPIRE**

Reg. Trade Mark
Pat. No. 4172-1899

**THE VIPER**

Reg. Trade Mark
Pat. No. 34556-1909



*Effective and Economical.
Sell at Sight.
Clean and Elegant.
Big Profits and Quick Returns.*

**Appreciated by everyone except the
Flies, and even they stick to it.**

SOLE MAKERS AND PATENTEES—

(3)

KAY BROTHERS, Ltd., STOCKPORT.

Nat. Tel. 247.

Reg. Telegraphic Address:
"KAY STOCKPORT."

UNAVOIDABLE INCREASE IN PRICES.

OWING to the abnormal increase in prices and general shortage of Photographic Chemicals and Materials, we have been reluctantly compelled to raise our prices in many instances.

If one of our Revised Price Lists does not reach you in the course of next week, please advise us.

EXPRESS DEVELOPING CO.,
86 High Street, Whitechapel, E.

July 2, 1915.

A. MILLAR & CO., LTD., DUBLIN PURE ORANGE WINE

VINUM AURANTII, B.P.

Prepared in strict accordance with the Formula of the British Pharmacopoeia.

(Wholesale only.)

London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.

STRAW HAT CLEANER.

If you are packing
this line, send for
our Sample Envelope.

JAMES TOWNSEND & SONS,
Chemists' Printers,
EXETER & LONDON.

Ampoule Files

THE GREATEST PRODUCTION
IN THE WORLD.
THE BEST. THE CHEAPEST.

Prices and Samples sent on application to—
SIM LTD., Morges, Switzerland.
Major CYRIL SANKEY, late Royal Artillery, General Manager.

MEDICAL DISPENSING BOTTLES.

T. FERRY & SON, Ltd.,
PARK LANE GLASS WORKS,
GATESHEAD - ON - TYNE.

Telegrams:
"BOTTLES:GATESHEAD."

Telephone:
70 GATESHEAD.

By Royal Warrant to
H.M. The King.



By Royal Warrant to
H.M. The King.

Only
ONE
Address.

DAY & SONS, ESTABLISHED 1840.
CREWE, LTD. (CREWE)
HORSE, CATTLE, SHEEP & DOG MEDICINES.

Only
ONE
Address.

LARGEST SALE IN THE WORLD.

ESSENTIALS TO EVERY FARM & STABLE.



DAYS' BLACK DRINK

Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills, and Low Condition in all Stock.

Price 1/8 per bottle.

DAYS' HUSKOLEIN.

Almost infallible for Tape Worms in Lambs and other Animals; for Husk or Hoose in Calves, Lambs, &c. A speciality for Worms in Horses and Colts.

6/6 per bottle.

DAYS' "ZOMO-SAL."

For Blood Disorders, Humours, General Weakness, Surfeits, Indigestion, Sterility, &c., in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

In Canisters at 7/6, 20/-, and 40/-



DAY & SONS' "ORIGINAL" MEDICINE CHESTS

Price £1 4s., £2 4s., £5, and £10 10s.; Carriage Paid.

Arranged for Horses, Cattle and Sheep; Horses only; or to suit any class of stock

WHEN ORDERING PLEASE STATE REQUIREMENTS.

The Chest Illustrated is similar to that at £5 and £2 4s.

Great Specialities.

ONLY GENUINE FROM

DAY & SONS, CREWE, LTD.,
CREWE, ENGLAND.

LIBERAL TERMS FOR FOREIGN BUYERS.

DAYS' RED DRINK

OR COW DRENCH.

For Costiveness, Loss of Cud, Indigestion, Garget, Colds, Fever, Hidebound, &c., in Cattle. Prepares Cows for Calving, Prevents Milk Fever, and cures Bad Cleansing.

12/- per doz. packets.

The Ewe Drench for Ewes, 3/6 per doz.

DAYS' OILS

(THE PURIFIED DRIFFIELD OILS)

Heal all Wounds in Horses, Cattle, and Sheep, Sore Teats and Swollen Udders in Cows and Ewes. For Anointing in difficult Lambing or Calving.

2/6 and 6/- per bottle.

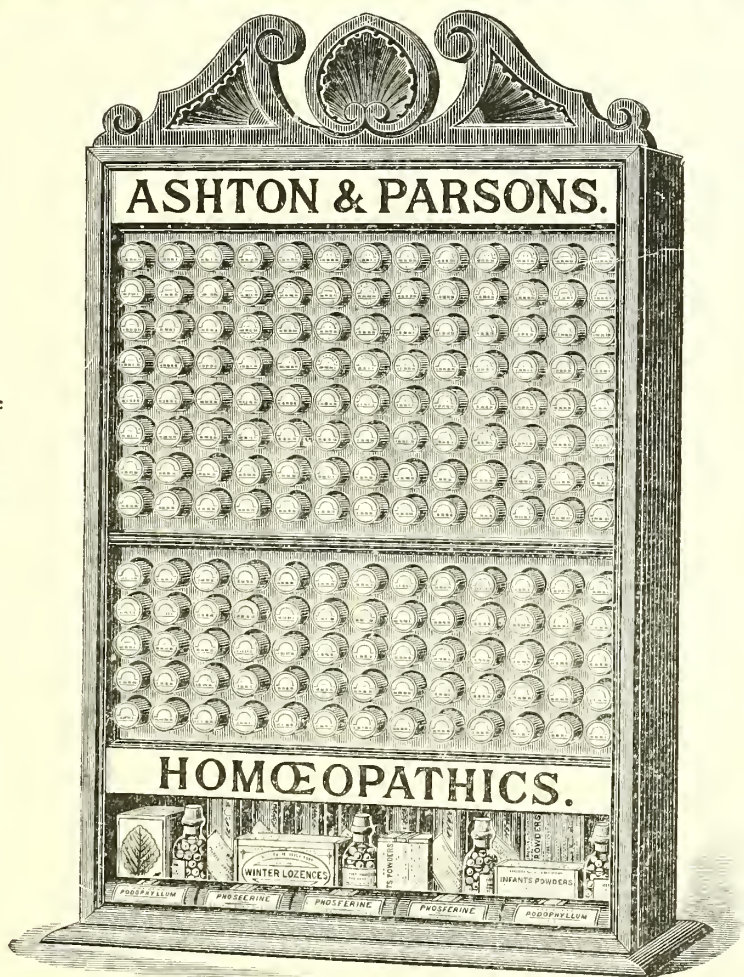
DAYS' WHITE OILS.

A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sinews, Rheumatism, Sore Throat, Weak Joints, &c.

2/6 and 6/- per bottle.

ASHTON & PARSONS' HOMŒOPATHIC SHOWCASE

18/-



18/-

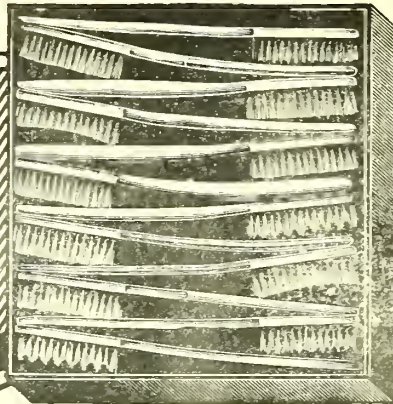
THE "A. & P." SHOWCASE

PRICE - - 18/-

ASHTON & PARSONS supply their Showcases at actual cost price
No need to purchase a large quantity of unsaleable stock to obtain a
so-called "free" Showcase.

WRITE FOR ILLUSTRATED LIST, POST FREE.

ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.



Tooth Brushes

— No. 100 —

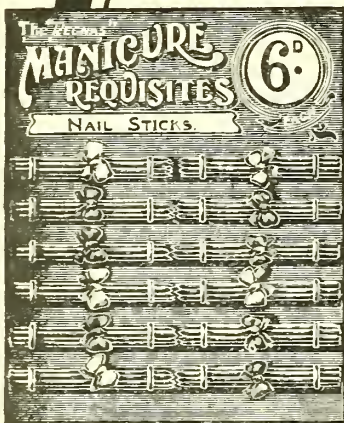
Special line. 3 doz. assorted
in box. Not less supplied.

3 doz. @ 2/6 per doz.

6 „ 2/5 „

12 „ 2/4 „

ALL ORDERS CAN BE FILLED AT
ONCE FROM STOCK.



NAIL STICKS

— Fig. 2 —

In bundles of 6 tied
with dainty ribbon and
bow. various colours.

Displayed on Green
showcards, these Nail
Sticks prove very at-
tractive.

Per card - 2 -



Interesting items
from a catalogue
of 5000.



NAIL FILES

— FLEXIBLE —

Fig 16

Highly polished un-
breakable metal.

1 dozen assorted sizes
and patterns, displayed
on Regnas showcard
for hanging up.

Per card - 3/10

Sangers

258, Euston Road
LONDON, N.W.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, AUGUST 7, 1915

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!



That is what advertisers in
The Chemist and Druggist
Supplement secure. Not in-

definite returns from spasmodic and inflated
circulation, but regular, steady success—the
best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—MIDDLESEX (Distant Suburb).—Retail and Dispensing Business, good middle class; returns under assistant about £650; net profit £200; every investigation courted; price £475.

2.—SOUTH KENSINGTON (Near).—Old-established Business, Retail and Dispensing; held by vendor upwards of 25 years; turns £1,300; net profit £400; attractive shop, well fitted and stocked; price about £1,000.

3.—BLACKHEATH (Near).—Sacrifice for immediate Sale through health of vendor; good-class modern Light Retail and Dispensing; returns between £900 and £1,000; net profit £245; rent 10; handsome shop and good stock; about £680 required.

4.—GOLDERS GREEN (Within Easy Distance of).—Modern Pharmacy; rapidly increasing; present rate £1,500 per annum; attractive shop and good stock; all open to inspection; valuation of small premium only required.

5.—VIRGINIA WATER (Near).—Dispensing and Retail Business good class for Disposal; returns between £1,450 and £1,500; rate in good position and capable of increase under young, energetic management; price £800 (about).

6.—UPPER THAMES.—Light Retail and Dispensing Business; turns £1,200, with scope for extension; well-fitted shop, fully stocked; convenient house; serious breakdown in health cause of sale; valuation terms.

7.—HOME COUNTY (Charming Locality).—Capital little Business, doing £450, steadily increasing; rent £35, sub-let to Dentist 10; 10 years' lease to run; comfortable residence, garden and buildings; price £300, or offer.

8.—HEALTH RESORT (South).—Good-class Dispensing Business for Disposal, through death of proprietor; returns show a steady increase, and are now between £900 and £1,000; gross profit £476; several good Proprietaries are included; price £350.

9.—WESTERN COUNTY (Health Resort).—Death Vacancy.—Family Retail and Dispensing Business; returns £800, at good prices; scope for considerable development; good house and shop, garden, private entrance; price £600.

10.—NORTH OF ENGLAND.—Mixed Country Retail, Dispensing and Agricultural, with own Proprietaries in good demand; steadily increasing returns, now about £2,900, at good prices; terras, valuation of stock and fixtures and sum for goodwill to be agreed.

11.—SOUTH COAST.—Old-established Business, essentially Dispensing and good-class Retail; returns £2,500; the shop is handsomely fitted and is situated in one of the principal streets; terms, valuation of stock and fixtures; illness cause of sale.

12.—KENT (Within Easy Distance of Town).—Ready-money Business; splendid opening for Dentistry and Optics; returns £630; net profit £200; no immediate opposition; price £250.

13.—SOUTHERN COUNTY.—Good-class Family trade, with General Country Retail; old-established; returns average well over £900 per annum; net profit £200; vendor estimates stock and fixtures at £425; price £500.

14.—NOTTS.—Light Retail, Dispensing, and Photographic; very little N.H.I.; splendid opening for Dentistry and Optics; returns £1,052; net profit £250; rent £35; no serious opposition; about the valuation of stock and fixtures required.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.
NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

DERBY.—In consequence of the decease of Mr. E. Machon we are instructed to Sell his Retail; returning £600; has done much more, and could do again by personal attention; Dentistry connection optional; "Comfortone" in addition has a large local reputation and sale.

£3,000 returns.—Good market town in very healthy and bracing locality, centre of delightful scenery; the Business is a good General Retail and Agricultural, with exceptional Specialities; for some of these there is unlimited scope; vendor will give a long introduction, and would, if desired, stay on for a limited time; net profit approaches £600; terms, valuation of stock and fixtures and agreed and moderate goodwill.

£1,400 returns.—LANCS.—Dispensing and Light Retail in popular seaside resort; good house; many years in same hands; net profit £300; good introduction given; price £900.

£430 returns.—NOTTS.—General Retail, with plenty of scope for younger man; terms, valuation.

£800 (over) returns.—SURREY.—Good Light Country Retail in pretty country; net profit £216; price £400.

£1,375 returns.—SOUTH WALES.—Net profit £375; large double-fronted shop; good house and garden; full investigation courted; lease; price £850.

We have cash Buyers for businesses from
£500 to £5,000.

Valuations conducted upon the shortest notice at moderate fees.

BERDOE & FISH,

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City,

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—MIDDLESEX (Rising Locality).—Good-class Retail and Dispensing Business, in best position; returns over £1,500; net profit £400; modern premises, fitted in best style; price about £950.

2.—KENT (Delightful Locality).—Good-class Country Retail, unopposed; returns £950; no Optics or Photo; large shop; excellent stock; good house; low rent; price £500; good introduction.

3.—HOME COUNTY (35 Miles Out).—Light Retail and Dispensing; returns £1,250; scope for doing £2,000; good residence; handsomely fitted, well stocked; price £1,000.

4.—EASTERN COUNTY.—Good-class Business in large town; neglected; returns over £800; plenty of scope; corner position; low rent; price £350; £100 can remain.

5.—S. WALES (Seaport Town).—Good middle-class Retail; returns £1,400; net profit about £375; fine position; large house and garden; stock and fixtures worth about £800; price £850.

6.—EAST COAST (Death Vacancy).—Good profitable Retail, neglected; returns average £450 to £500; fine position; modern house and Pharmacy; price £250.

7.—SURREY.—Good-class Retail, Dispensing, and Photographic, in splendid position; returns about £1,600; has done £2,000; owner retiring; price £600 cash.

8.—HERTFORDSHIRE (Market Town).—Good-class Light Family Retail, increasing; returns £950; net profit £300; fine modern Pharmacy, well stocked; easy hours; price £750.

9.—LONDON, W.—Light Retail and Dispensing; returns under manager £1,100; plenty of scope; price only £450.

10.—LONDON, S.E.—Light Suburban Retail; returns £1,500, increasing; net profit £400; price £850, or near offer.

11.—NORTH LONDON.—Cash Retail; returns £1,036; net profit £350; books kept; modern Pharmacy, well stocked; price £800.

STOCKTAKINGS.

We undertake stocktakings on a very low scale of commission or an agreed fixed fee, and also price out Chemists' own stocktakings. Please apply for our terms.

Businesses Wanted. Buyers Waiting.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, 1

50 years' experience in every branch of business.

Recommended by—

BRITISH DRUG HOUSES, LTD.

MEGGESON & CO., LTD.

BARCLAY & SON, LTD.

Tel. No. Finchley 812.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W., Ph.C. Tel. No. Victoria 2

BEST position centre prosperous town, S. Wales; return £1,640; good-class all-round business; vendor retiring; price £750; recommended; part cash can remain.

CENTRE of town, lovely touring district; good General, Retail, Agricultural, and Proprietaries; returns £2,850; good, profitable price, valuation and small goodwill.

UNOPPOSED; centre popular, rapidly increasing town, So. Coast; opened 3 years; returns £575, £657, £828; good-class double-fronted corner shop, well fitted; good house; price £400 or reasonable offer.

OLD-ESTABLISHED Country General Retail; returns average £2,300; same hands over 30 years; vendor retiring; 30 years from London; price, valuation and small goodwill.

GOOD district, London, N. suburb; established 6 years; return £1,000; net profit £338; only slight opposition; good house, and garden; £500 or reasonable offer.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS,

45A MARKET STREET, MANCHESTER,

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and quotations can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have reply addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LONDON.—For immediate Sale, fully stocked, unopposed, established Business in East-End main thoroughfare; 1 year's returns £887 (including N.H.I.); will accept £300 cash; rent £50; 12 years' unexpired lease; capable of great improvement with personal attention. Apply, "Lieutenant" (188/8), of this Paper.

LONDON Suburb, S.W.—Advertiser, wishing to join the Col. offers old-established Business for immediate Disposal; Pharmacy well stocked and fitted; on main road; long lease; electricity and gas; 1914 returns £1,450; several valuable Proprietaries; price £500, cash down. Apply, "Roma" (188/63), of this Paper.

LONDON, S.W.—Good-class Light Retail and Dispensing Business in charming distant suburb; returns recently £1,200; under manager, doing £900; owner being ill, must be sold; somewhat fitted; good stock; nice house; valuation only, about £1,000; a bargain for someone. Known personally to Berdoe & Fish, Valuers, 35 Jewry Street, Fenchurch Street, E.C.

MANCHESTER DISTRICT.—Old-established Family and Dispensing Business for Disposal; on Insurance panel doing 200 scripts a month; can be improved by personal attention; present turnover £8 per week under Manager; owner has no business and cannot attend; rent £30; opening for Dental; good fittings; price £150. 186/27, Office of this Paper.

WESTERN Counties.—Good Cash Retail; returns nearly £600 under unqualified management; easily doubled by energetic man; big district; main street; double-fronted shop, good house, garden, and warehouse; price £250. Apply, "Mellis" (186/25), Office of this Paper.

WESTERN Suburb.—Retail and Dispensing business for Disposal; double-fronted shop; handsomely fitted; well-stocked; good middle-class trade; genuine reason for disposal; inspection invited. "Veterinary" (185/20), Office of this Paper.

CHEMIST'S Business for Sale; attractive opening for young Chemist; well-stocked business in Ayrshire, with mining and farming connection. Particulars from Philp & Crawford, Writers, 213 West George Street, Glasgow, to whom offers should be sent on or before Saturday, August 14, 1915.

FOR Sale, Lincoln, Drug Store, well stocked and nicely fitted; corner position; no immediate opposition; good opening for N.H.I.; low rent; old-established; only reason for selling, ill-health; living accommodation over shop; low price for quick sale. 186/36, Office of this Paper.

FOR Sale, by private treaty, the old-established Chemist's and Druggist's Business situated 397 High Street, Lincoln, and now offered owing to death of owner; good house and shop; rent £25 per annum; stock and fittings at valuation, approximately £115; a splendid opportunity for a young man. For further particulars apply J. Hunter & Sons, Auctioneers, 5 Newland, Lincoln.

OLD-ESTABLISHED going concern, Cardiff; main thoroughfare; returns £1,400; well-fitted, double-fronted shop; electric light; Wine Licence; good house and garden; owner enlisting; a month's trial offered to prospective purchaser to show worth of business; stock, fixtures valued £850. Harden, 219 City Road, Cardiff.

SMALL Business for Sale in principal thoroughfare of one of the largest towns in Kent; excellent Proprietaries and small patent trade; no agents; proprietor intends to assist in war business. For particulars apply to 183/35, Office of this Paper.

£150; bargain; grand opportunity for beginner; N.I. Dispensing, with ordinary Retail Chemist's, Extractions, and Artificial; could be doubled very shortly with proper attention, advertising, and increased stock; present hands 8 years; retiring; previous Chemist 11 years. 185/33, Office of this Paper.

SALES BY TENDER.

FOR Sale by Tender; complete Stock-in-Trade of Chemist (comprising Patents, Sundries, Drugs, Photographic material, etc.), Utensils, mahogany Fittings, and recess-labelled Shop-ends; all in good condition, and may be purchased in one or separate lots. For forms of Tender and Conditions of Sale apply to A. Moffatt, Accountant, 20 Regent Street, Wrexham.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

TAPE PROVINCE.—Advertiser is open to negotiate with Manufacturers of Proprietaries and Patent Medicines for sole local agency; well-established; first-class references; could undertake local advertising to push sales. Write to Geo. R. Thwaites, Donkin Street, Beaufort West, C.C.

TRAVELLERS offered excellent Side-line; Agency for Sanitary article universally wanted; expenses and commission. State was covered, Campion, 58f Hatton Garden.

TRAVELLER wanted immediately for the sale of well-known Italian Olive Oil as an additional Agency; must have extensive connection amongst Chemical Manufacturers and the Wholesale trade. T. R., 580, c/o Deacon's, Leadenhall Street.

BUSINESSES WANTED.

WE (Messrs. Berdoo & Fish) desire to notify intending vendors that we have at the present time a large number of clients desirous of purchasing Businesses, and that we shall be pleased to set our terms of business to Chemists desirous of disposing of Businesses returning £800 to £5,000. Our address is 35 Jewry Street, Fenchurch Street, City.

PARTNERSHIPS.

CHEMIST, with complete stock and fittings (value exceeds £1,000), leaving trade, is willing to supply and accept sleeping Partnership in new business to be opened, or will sell outright on easy terms; a rare but genuine opportunity. State experience, capital at disposal, if at liberty, 183/37, Office of this Paper.

EXCELLENT opportunity offered to qualified man with capital as a Partner in a large good-class business near London; arrangement for capital up to £500; when replying please give full particulars, which will be treated in strictest confidence. Apply, "A. S. P.," c/o Messrs. Maw, Son & Sons, Aldersgate Street, E.C.

FOR SALE.

CASH Register (National); cheap; good condition; keys 3d. to 5s.; tape printer. Write "A. W.," 51 Albion Road, Dalston.

COMPLETE Fittings of corner shop: 2 Window-enclosures, Wall-cases, Counter-cases, Drug Fittings, Shop-rounds, Pots and Accessories; no reasonable offer refused. Graig Pye, 138 Waterloo Street, Burton-on-Trent.

IMPORTANT to Manufacturing Chemists and Patent-medicine Dealers.—To be Sold, by private treaty, "Cinderene" (registered) for Babies' Ailments, together with all the books, testimonials, the copyrights, advertisements, etc., etc.; undoubtedly one of the finest remedies for children ever brought out; only wants managing and pushing. Full particulars, etc., from Morgan & Co., Auctioneers, Pateley Bridge, Yorks.

STOCK-IN-TRADE of a Chemist; may be viewed by appointment. Apply, Furber's, 3 Warwick Court, Gray's Inn Road, W.C.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

RETAIL.

ACTON HILL, W.—Junior Assistant (outdoors) for September 13; good-class Dispensing and Retail; moderate hours; very comfortable berth. Full particulars to H. A. Irwin, 2 Station Parade, Ealing Common, W.

ASHTON-UNDER-LYNE.—Wanted, unqualified Assistant; must be smart and a good Salesman; no Sunday or Tuesday duty. Apply, stating age, experience, salary required, enclosing photo (to be returned), to 186/29, Office of this Paper.

BALHAM.—Immediately, a reliable Assistant required; outdoors; good salary to a desirable man; Photographic knowledge necessary; qualification not so essential as good Dispensing and general knowledge; abstainer preferred. Apply, by letter, Cooper, Central Pharmacy, Balham, London, S.W.

BATH.—Wanted, qualified Assistant with first-rate experience in good-class business; permanency. Apply, with usual particulars, Davies & John, 15 Old Bond Street, Bath.

BATH.—Early in September; Assistant; under 35; quick and accurate Dispenser; hours 9 to 9, 3 hours allowed for meals; salary 42s. weekly. Full particulars of experience to 186/10, Office of this Paper.

BOURNEMOUTH.—Assistant wanted for good-class Dispensing and Photographic business. Apply, stating age, height, experience, salary required (outdoors), and, if convenient, enclose photograph, to A. E. Lodder, Pharmacist, West Southbourne, Bournemouth.

BRIGHTON.—Qualified or experienced unqualified Assistant wanted for high-class Retail and Dispensing business; indoors. State usual particulars, enclosing photo, to 188/51, Office of this Paper.

BUDLEIGH SALTERTON, DEVON.—Assistant required, either qualified or unqualified; easy hours; seaside. State age, height, experience, and salary (indoors or outdoors), A. Shand & Co., Chemists, Budleigh Salterton.

COLWYN BAY.—Locum; qualified or unqualified; for two months from August 30. State age, references, and salary required. Seill, Chemist, Colwyn Bay.

FARNBOROUGH.—Wanted, two Junior Assistants or Improvers. Please give particulars, with salary (outdoors), to Litchfield, Pharmacist, South Farnborough.

FOLKESTONE.—Junior Assistant wanted, qualified or unqualified, for high-class Retail and Dispensing business, and to help in Analytical work. Apply, with full particulars, and state salary (indoors, with Senior), to J. W. Stainer, 71 Sandgate Road.

HARROGATE.—Junior Assistant for Dispensing Counter. Apply, stating age, experience, and salary required, to F. Butterfield, Chemist, Harrogate.

LEEDS.—Wanted, smart Junior. State full particulars, experience, salary required, etc., to Reinhardt & Sons, Ltd., Chemists, 7 Queen Victoria Street, Leeds.

LIVERPOOL.—Wanted, a smart Junior, about 23; Dispensing experience essential; accustomed to high-class Retail and Dispensing; outdoors. State height, age, salary required, enclosing photo. Apply, G. H. Cole, The Pharmacy, Blundellsands, Liverpool.

LONDON.—Qualified person required at once; elderly or young man would do; full or part time; rare opportunity; very light work; easy hours; own master; good salary. Apply, personally or by writing, to "Chemist," 59 Charlotte Street, Tottenham Court Road, between 11 and 1 or 4 and 10.

LONDON (Central); outdoors; Junior Assistant for Dispensing and Counter work. Frizell & Co., 1 Cranbourn Street, Leicester Square, W.C.

LONDON, E.—Qualified Manager required (with view to purchase); old-established, unopposed Retail business; excellent opportunity for energetic and enterprising man. Send all particulars (photo if possible) and when disengaged to "Proprietor" (188/9), Office of this Paper.

LONDON, S.E.—Assistant wanted (outdoors) for quick Cash business; close Thursday 1 o'clock; no Sunday duty. State age, experience, and salary required, Brooks' Drug Stores, corner of High Street, Broadway, Deptford.

LONDON, S.E.—Required, a Junior Assistant or Improver; outdoors. Apply, stating full particulars, age, height, salary required, when disengaged, to J. W. Rumsey & Son, 481 Lordship Lane.

LONDON, S.W.—Part-time man required; evenings and Thursday afternoons. State terms required, 185/106, Office of this Paper.

LONDON, S.W. Suburb.—Outdoor Assistant with Dispensing experience required at once. Full particulars as to age, references, experience, and salary required, to C. J. G. Bunker, 30 York Street, Twickenham.

LONDON, S.W.—Manager required for duration of war or Branch shop; duties light. Apply, stating qualifications and experience, to D. C. McKelvie, 153 Dawes Road, Fulham.

LONDON, W.—Assistant with Dispensing experience; outdoors. Apply to Harding, Chemist, The Avenue, West Ealing.

LONDON, W.—Wholesale and Retail; wanted for immediate vacancy, unqualified Junior Assistant; hours 9 to 6, Saturdays 1 o'clock; no Sundays. Apply, personally or by letter, to Hospital and General Contracts Co., Ltd., 27 Mortimer Street, W.

LONDON, W.C.—Wanted, Assistant for two or three days a week and occasional Sunday duty. Burden & Co., Dispensing Chemists, 41 Store Street, Bedford Square, W.C.

MANCHESTER (near).—Improver or Junior for good-class business; short hours; no Sunday duty. Apply, with full particulars, age, experience, salary (outdoors), to 185/40, Office of this Paper.

NEAR MANCHESTER.—Wanted, unqualified Assistant; outdoors. Must be good Dispenser and Counterman. Full particulars and wages required, 185/1, Office of this Paper.

NORTH OF ENGLAND.—Wanted (immediately) qualified unqualified Locum. State age, height, salary, and references in first letter. 188/7, Office of this Paper.

S.E.—Young Junior Assistant for quick Retail and Dispensing business; 35s. per week and commission; close Thursday 1 p.m.; no Sunday duty. The Prosser Roberts Co., Pharmaceutical Chemists, 13 Church Street, Camberwell Green.

ST. ANNES-ON-THE-SEA.—Lady Dispenser (outdoors) for first-class business; 3 lady Assistants employed. Please state usual particulars, salary required, and enclose photo, H. Taylor, The Square, St. Annes-on-the-Sea.

SOUTH OF ENGLAND.—Assistant required; permanent; with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

WEST RIDING.—Excellent opening for a young married man, qualified, to take charge of a Light Retail business in residential suburb; liberal interest in the profits offered. 18 116, Office of this Paper.

WOLVERHAMPTON.—Wanted, for September, a qualified Assistant, used to good-class Retail and Dispensing business. Please give full particulars, and state salary required (outdoors), Phillips, Pharmaceutical Chemist, Wolverhampton.

WOLVERHAMPTON.—Qualified Assistant, lady or gentleman. Easy berth; would suit elderly person; no night or Sunday duty; half-day Thursday. Send all particulars, and photo possible, when disengaged, and salary required to the Wedfield Drug Stores, Ltd.

WORKS.—A smart Assistant, qualified preferred, but not essential if capable, married, to live on the premises, with knowledge of Photography and used to a good-class country side. Apply, with full particulars, references, and photo, to C. A. Hey Bedale, Yorks.

AN experienced Assistant for good middle-class Retail and Dispensing business; indoors; good Dispenser, Counterman and Window-dresser essential; also Junior or Improver. Give full particulars as to age, height, experience, and enclose photo possible, to Savage & Co., Pharmaceutical Chemists, Brighton.

AN Assistant for good-class country business; good salary; easy hours. State references, etc., to F. Fresson, 1, Ramsgate, Stevenage, Herts.

AN Assistant wanted, preferably unqualified. Apply, with full particulars, Wade, Chemist, Llanelli.

AN Assistant wanted for pleasantly situated suburban Retail and Dispensing business; indoors. Please give full particulars, and enclose photo if possible, Rowland, Pharmaceutical Chemist, Hunter's Bar, Sheffield.

AN Assistant with a view to early succession or Partnership in old-established Light Country Business, with very Proprietaries; unusual prospects to a business man with capital. Apply, giving full particulars, "D." (185/11), Office of this Paper.

AN Assistant wanted, used good-class trade; hours 8-7; Saturday. State salary, or apply personally, to J. Jones Bros., Holloway, N.

AN Assistant; South London; first-class progressive business offered to a man with ideas who is an up-to-date dresser and Stock-keeper. In reply please give usual particulars as to age, experience, references, etc. (provincials enclosed which will be returned), 188/29, Office of this Paper.

RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK JULY 31 1911
NATURE OF ADVT. REPLIES
DISPENSER (MALE) 15
LOCUM 13
LADY DISPENSER 10
ASSISTT (WHOLESALE) 9
SIT. WANTED 9

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

ASSISTANT wanted; three months' engagement; outdoors. Write Windemer, Chemist, Harrogate.

Once.—Unqualified man for serving behind Counter; no Dispensing; three small rooms; salary 50s. and commission; man earning between 38s. and 40s. weekly; situate main road, West London working-class district. Enclose stamped card to ensure prompt reply to Joseph Bash, 151 Osbaldeston Road, Stoke Newington, N.

ANCH Manager (at once or later); qualified preferred (good unqualified might do); all-round experience; Extractor; good references; outdoors; healthy district; reasonable hours; no Sunday duty; good salary and commission on Dental work; permanent. Kindly give full particulars, Hughes & Sons, Chemists, Albana, Mon.

CAPABLE qualified Senior for good-class London suburban business; outdoors; liberal terms to a good man. Apply, stating age and giving full details as to experience, "Senior," Messrs. Maw's, Aldersgate Street, E.C.

CHEMIST-OPTICIAN for last week August and first week September. Terms to Newton, Yeovil.

COMPETENT Assistant required for Sunday evening duty; must be accustomed to quick cash store trade. Full particulars apply to Edmunds, 35 High Street, Kingsland, London.

COMPETENT Assistant wanted; one with knowledge of Photography preferred. State age, experience, references, and (outdoors), to Bolton & MacLachlan, Chemists, Epsom.

DISPENSER, Hall qualification necessary, wanted for two weeks, part-time, six mornings of one hour and three evenings of one hour; remuneration 25s. per week. Apply, with reference 11 a.m. prompt this Friday or Saturday, Dispenser, Metro-Dispensary, 9 Fore Street, Cripplegate, E.C.

DISPENSER required in private Surgery; lady entertained; whole-time employment; must have had previous experience of Dispensing. Apply, by letter, Dr. Thornton, 575 Romford Road, Forest Gate.

DRUG Department.—Junior Assistant wanted (male or female); no Dispensing; moderate hours; no Sunday duty. State required (outdoors), Burgis & Colbourne, Ltd., Leamington.

EVENING Assistant; three or four evenings a week. "Chemist," 6 Stamford Hill, N.

H. B. SHARMAN, Northwood, will shortly require a capable Assistant; used to good-class Dispensing business, and capable of taking charge; two Assistants kept; applications from ladies preferred, but Retail experience essential; to reside on premises; no employer provided, with whom Assistant makes own arrangements. Applicants please state full particulars, including qualifications if any, salary required, and enclose photo.

IMMEDIATELY.—Qualified Assistant; indoors; would suit elderly gentleman; light duties; half-day weekly; comfortable home-like district. Apply, with full particulars, salary, and references, P. R. Hill, Pharmaceutical Chemist, 90 High Street, Brighton-on-Sea.

JUNIOR (outdoors). Apply, with full particulars, and state salary required, Latimer Davies, Ltd., High Street, Newport, Mon.

JUNIOR Assistant wanted; unqualified; outdoor; Light Retail business; short hours; Wednesday half-day. Apply, stating age, height, experience, when disengaged, and salary required, to W. Doyle, Southborough, Kent.

JUNIOR Assistant (outdoors) for good-class trade; time arranged study if required; easy distance from Manchester Colleges. Apply with usual particulars, to J. Rose, Pharmacist, Urmston, near Manchester.

LOCAL, with help of an Assistant, to Manage; last half September; must be thoroughly reliable. Apply, stating salary and references (indoors preferred), to M. Wilson, 80 Lambs' Conduit Road, London, W.C.

LOCAL wanted immediately; six weeks. Apply, The Manager, Pharmacy Waldorf, Aldwych, W.C.

LOCAL or Junior near London; fortnight beginning September. (188/28), Office of this Paper.

MESRS. Ransford & Cunningham require immediately an Assistant; qualified preferred; good salary to a capable man. Full particulars and photo to 36 Sandgate Road, Folkestone.

MESRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth. Require a capable Pharmacist as Manager; easy hours; good remunerative salary, with excellent prospects.

MIDDLE-AGED Chemist required to supervise small Branch business in absence of principal; active Junior Assistant kept; the responsibility and work would be very light, with easy hours, and the berth would be comfortable and permanent to suitable man; colliery district; outdoors. State salary required and when and where last engaged, 184/16, Office of this Paper.

PERMANENCY offered to suitable Dispenser and Counterman; above military age; please give usual particulars. Apply, 188/61, Office of this Paper.

QUALIFIED Manager for South Devon wanted by first week in September; Locum also wanted for a fortnight in September; hours easy. State salary required (house provided), and send references, experience, height, age, etc., to Holman, Ham & Co., Ltd., Market Street, Exeter.

QUALIFIED Assistant (outdoors), age from 23 to 40; good-class experience necessary; duty shared by three. State age, height, and salary required, or apply personally, to Hooper, Struve & Co., Ltd., 26 Davies Street, London, W.

QUALIFIED Assistant required for nice town in Midlands; short hours; work very light. Apply, with full particulars, to "Unguent" (185/9), Office of this Paper.

QUALIFIED Assistant wanted; total abstainer preferred; duties light; moderate hours; business pleasantly situated in country village near Southport. 188/50, Office of this Paper.

RELIABLE Assistant wanted for good-class Country business; easy hours; permanency. Merriek, Pharmacist, Dorchester.

RELIABLE Assistant required for high-class Dispensing business; good Dispensing experience essential; no N.I. Dispensing; berth now open. Apply, stating usual particulars, reference, and salary required, with photo if possible, to Neve & Co., Pharmacists, 12 Wellington Place, Hastings.

RELIABLE Junior Assistant required immediately (outdoors). Send full particulars and photo (if possible) to Ralph Cuthbert, Ltd., Chemists, Huddersfield.

UNQUALIFIED Assistant wanted at once; single; good Dispenser; outdoors. Apply, stating age, height, and salary required, W. Charrington, 17 Market Street, Lichfield, Staffs.

UNQUALIFIED Junior, not eligible for military service, with all-round experience; indoors. Apply, in first instance, "Aspirin," c/o 302 City Road, N.

WANTED, Temporary Assistant for four or six weeks; chiefly for Dispensing. Please give usual references and state salary required to S. A. Coley, Ltd., Stroud, Glos.

WANTED shortly, Senior Assistant, for Light Retail, Dispensing, and Photographic trade. State full particulars as to experience, etc., to Jno. H. Smith & Co., Chemists, Newark.

WANTED, Junior Assistant for Mixed Country business; short hours. Apply, with full particulars and references, to J. Sowray, Petergate, York.

WANTED immediately, capable Assistant; in- or out-doors by arrangement; Dispensing, Retail, and Photography; personal interview preferred. Pelham Young, Pharmacist, Hounslow. Phone, 155 Hounslow.

WANTED, lady Assistant, age about 21, for Counter and to assist with Dispensing; qualified lady kept. Please state salary (outdoors) with references, etc., to T. Charles, Chemist, Burslem.

WANTED, Improver or Junior; outdoors. State salary and full particulars, T. Lawton, Chemist, West Town, Dewsbury.

WANTED, qualified Branch Manager; good salary paid to capable man with good references; or Locum for 6 or 8 weeks; also unqualified Assistant for Dispensing and Counter trade; near Manchester. 184/35, Office of this Paper.

WANTED, an Improver as Second Dispenser; either sex; reasonable hours; half a day weekly and alternate Sundays free. State experience, age, references, and salary (outdoors), Cooper, Lemarchand & Kendrew, Surgeons, Barnstaple, N. Devon.

WANTED for two weeks in August, Locum; unqualified. Full particulars in first letter to 186/3, Office of this Paper.

WANTED, competent Assistant with good Dispensing experience, for the Dispensing Counter; salary 50s. weekly. State full particulars to 186/4, Office of this Paper.

WANTED, Assistant for Dispensing Counter; good salary to suitable man; outdoors. L. Cameron, Pharmaceutical Chemist, Seaford.

WANTED as early as possible, an experienced Assistant, aged about 25; in- or out-doors; also a Junior or Improver; hours of business 8.30 to 9.30. Apply, stating experience, names of references, when disengaged, and salary expected (in- or out-doors), Barnard & Son, 309 Hackney Road, London, N.E.

£3 5s.—Locum required for about six weeks from August 23. "Locum" (185/16), Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LONDON, S.W.—Required, lady Clerk; experienced in the trade. Write, stating salary and experience, to "L. J.," 704, Sells' Advertising Offices, Fleet Street, E.C.

SOUTH COAST.—Dry Counterman required; permanency; good wages. Please state age, experience, etc., Timothy White Co., Ltd., Portsmouth.

COUNTERHAND, also Packer, required. Apply, Mr. Chambers, Baiss Brothers & Stevenson, Ltd., Wholesale Druggists, 175 Grange Road, Bermondsey, S.E.

ENERGETIC and enterprising resident Representative required in Ireland by old-established leading Paris manufacturers of high-class Perfumes, Face Powders, Fancy Soaps, Brilliantines, etc., to call on principal Chemists, Ladies' Hairdressers, Stores; commission only; good Side-line for gentlemen already calling regularly on the trade, and able to extend established connection. Write fully, stating age and qualifications, to 183/7, Office of this Paper.

INVOICE Clerk wanted; must be efficient and quick at figures. Apply, by letter, stating full particulars, age, and salary required, to "X. R. L.," S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

LABORATORY Foreman for London Factory required; must be thoroughly experienced in modern Toilet and Perfumery lines. "Creams" (187/43), Office of this Paper.

PILLS.—Thoroughly experienced Pill-maker wanted. State age, experience, and wage required to 188/10, Office of this Paper.

REPRESENTATIVE wanted for Lancashire by leading Wholesale Druggists; present Representative joining the Forces. Apply, giving particulars of age, salary, and previous experience, to "Quinine" (186/60), Office of this Paper.

REQUIRED (at once), competent Wet and Dry Countermen and Junior Laboratory Assistants. Apply by letter, stating previous engagements, age, and wages required, to "Export" (188/54), Office of this Paper.

TRAVELLER with large connection amongst Retail Chemists in working-class districts (London and suburbs only) may hear of popular quick-selling Side-line; sure repeats and good commission. Address, stating ground covered, "Proprietor," 439 Romford Road, Forest Gate, E.

WANTED, a reliable and intelligent Assistant for the Wet Counter (owing to further enlistments from the staff). Apply, with full particulars as to age, experience, and salary required, to Lofthouse & Saltmer, Ltd., Wholesale Druggists, Hull.

WANTED, for Liverpool, two thoroughly competent Invoice Clerks and Assistants (male or female) capable of taking orders by phone. Apply, "Orders," Box No. 73, Post Office, Liverpool.

WANTED, Cellarman; accustomed to putting up Oils and heavy Wets; also competent Packer. State wages and experience, 187/37, Office of this Paper.

WANTED immediately, Checker and Packer for Wholesale Druggists' Sundries house. Write, stating age, past experience, and wages required, 188/12, Office of this Paper.

WAREHOUSEMEN.—One for Patent-medicines floor, knowledge of stock and trade essential, and one thoroughly conversant with Druggists' Sundries and Proprietary Medicines as Checker. Apply immediately, stating qualifications and salary required, 185/42, Office of this Paper.

WHOLESALE Drug Trade.—Required, an export Warehouse Manager. Salary, experience, and full particulars to "patch" (186/33), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; **6d.** for every 10 words beyond, prepaid. The **Advertiser** may, if preferred, have addressed to this Office, and forwarded on payment of an additional charge of **6d.**

FOR Calcutta, thoroughly competent Assistant with Minor qualification; age under 30; abstainer; must have had first Dispensing experience; starting salary Rs. 275 per m. passage out and home; 4 years' agreement. Apply, 184/28 of this Paper.

FOR the Far East, a thoroughly competent Assistant with first qualification; age not over 30; must have had good experience in first-class Retail business; good salary for the right man; passage paid out and home; four or five years' agreement. "Export" (186/1), Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

BELGIAN Pharmacist, from Antwerp, desires situation in English Pharmacy; highest references; speaks English, French, and Flemish. Address, Auguste 26 Sunnyside Road, Hornsey, N.

A **LOCUM**; 36; 20 years' experience; disengaged August 11. "H. S. W.," 7 Deramore Street, Rusholme, Manchester.

A **PHARMACIST**; 25; Locum, Part-time, or Permanent hours; references excellent; now disengaged. "Causa," 43 Hereford Road, Westbourne Grove, W.

A **VERTISER**, qualified, at liberty 11.30 to 2 daily, for engagement; Manchester district. "Syrupus" 14/2, Office of this Paper.

A **S** Manager; not single-handed; experienced Pharmacist; liberty shortly; age 48; qualified; energetic and a "P. H." (180/25), Office of this Paper.

A **S** Superintendent, etc.; qualified; 42; varied experience to suit if for a definite period. "Time," (184/036), Office of this Paper.

A **SSISTANT**; 23; 6 years' experience; competent in thorough knowledge of Photography; invalided out West-End Pharmacy preferred. A. Rigby, 11 Little Street, Piccadilly, W.

A **SSISTANT**; unqualified; London; outdoors; middle-aged; excellent references. State salary and hours 186/11, Office of this Paper.

B **RANCH** Manager, married, requires berth; to live on permanency; seaside; unqualified; experienced; disengaged one month. 188/24, Office of this Paper.

B **RIGHTON** district; Junior Assistant; time for study 79 Lowther Road, Brighton.

D **ISPENSER**; 15 years' Hospital experience; Hall qualification; Hospital or Institution preferred. "S. R. S.," Medical Institute, Luton.

D **ISPENSER**, Dresser, Extractor; N.H.I. qualification; married; abstainer; West of England preferred. 185/3, Office of this Paper.

SP SER or Locum; first-class experience. "Dispenser,"
arwick Avenue, Maida Vale, W.

Y qualified Chemist, M.P.S., active, requires light duty;
salary; permanency; outdoors. 183/29, Office of this

Y qualified Manager-Assistant; N.H.I.; single; per-
manency; active; Prescriber; light duties; moderate hours.
Office of this Paper.

GS and Saturday afternoons; South-West London; quali-
fied. 19 Cornwall Road, Twickenham.

requires Part-time situation; mainly for Dispensing.
10, Office of this Paper.

requires post as Dispenser: Doctor or Pharmacy; 4½ years'
experience; good references; personal interview; disengaged;
preferred. 185/8, Office of this Paper.

Y qualified, desires evening work (two hours): Doctor,
Pharmacy; West London. 188/14, Office of

Y Manager; disengaged 15th inst.; qualified; excellent
experience, references. "Pharmacist" (183/34), Office of

Y disengaged September 6; experienced, active, reliable;
excellent references. "Chemist," Broadwater, Sussex.

Y experienced, qualified (40), desires change; seaside or
Drumch preferred; energetic. Scott, c/o Lind, 489a Oxford
Road, W.

Y qualified; 40; tall; experienced, reliable; August 17 to
September 11. "Safety" (186/17), Office of this Paper.

Y unqualified; disengaged; experienced; references; Brad-
ford district preferred. Hardy, Blenheim Mount, Bradford.

Y Tenens (47), 30 years' experience, for August and
September. "W. B. B." (183/5), Office of this Paper.

Y qualified; 30; 28th to September 10 inclusive.
"Cum," 39 Bradford Road, Trowbridge.

Y or permanency; disengaged; qualified; 38; Dispensing
experience. "Chemist," 54 Bell Street, N.W.

Y or Branch; 45; experienced; London and provinces.
"Qualified," 22 Gold Street, Stepney.

PS. (22) desires Locum or Temporary work in London;
disengaged. Cheater, 10 Prideaux Road, Clapham.

Y ER, Senior; 13 years' best experience; married; ab-
solute; permanency; disengaged shortly. "M.P.S.,"
earl street, Bath.

Y ER or Locum; experienced. "Temlett," 7 Barrow
Road, Streatham Common.

Y ER or Managing Assistant of Good-class Business.—Ad-
vertiser (32), married, unqualified, ineligible for Army ser-
vices; permanency where ability, hard work, and attention
to business will be appreciated; 6 years successful Manager of
class business (trebled returns); fully experienced in Dis-
pensing, Photography, Surgical and Optical work;
window-dresser and sure business obtainer and retainer;
reference. Apply, "Pushango" (186/13), Office of this

Y ER, qualified, disengaged August 26, requires berth;
permanency; married; varied experience; good Salesman,
and Dispenser. "Chemist," 4 Winton Square, Basing-

Y ER; qualified; middle-aged; married; view to succession
obtained; country preferred. 187/36, Office of this Paper.

RT TIME; London, S.W., preferred; very competent student.
Apply "R. M. E.," 5 Avondale Road, Luton.

PART-TIME; mornings only; unqualified; Richmond district
preferred. "Alpha," 47 Staines Road, Sunbury-on-Thames.

QUALIFIED Assistant; London, suburban, and best seaside
experience; good Dispenser; single; excellent references.
Edwards, 26 Queen Street, Rhyl.

QUALIFIED; 40; North or Midlands. "Experienced," 6 Berke-
ley Avenue, Victoria Park, Manchester.

QUALIFIED man (42), out of business for two years on
account of indifferent health, seeks light permanent post,
preferably in London; single; terms accordingly. "Agreement"
(184/36), Office of this Paper.

QUALIFIED; 24; disengaged August 21; thorough training
with busy up-to-date Retail, Dispensing, and Photographic
firm. Rawson, 267 Colne Road, Burnley.

QUALIFIED, 15 years, accepts holiday Relief service in City
or West End; disengaged. 188/3, Office of this Paper.

TWO guineas and return railway fare; two weeks' engage-
ment; seaside preferred; light duties; age 24. "Qualified,"
2 Skipton Street, Southwark, London, S.E.

UNQUALIFIED, thoroughly experienced, desires permanency in
country; Mixed business not objected to; married, no family;
active and trustworthy; disengaged month hence. 185/39, Office
of this Paper.

UNQUALIFIED; age 30; 12 years' experience Counter, Dis-
pensing, and Photographic work. "Disengaged," 115 Tufnell
Park Road, Holloway, London, N.

YOUTH, 19, 4 years' Drug and Shop experience, seeks situation
with Chemist; Liverpool or North Wales district preferred.
184/30, Office of this Paper.

YOUNG lady Assistant (Hall qualification) desires post in
London with Doctor or Chemist; speaks French. "Statim,"
77 St. James's Road, Brixton.

WHOLESALE.

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no case be forwarded, the Box numbers being intended exclusively
for specific answers to particular advertisements. The Publisher
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tions received which he may consider contrary to this rule.

BELGIAN Chemist (wounded soldier) desires situation, for
preference in Chemical Works or Laboratory for the manu-
facture of explosive. Address, Aurelien Dethier, King Albert's
Hospital No. 3, 86a Hazellville Road, Hornsey Rise, N.

A YOUNG Spaniard (26), energetic, capable, fluent English,
some knowledge of French, Italian, Portuguese, eight years'
experience with Spanish Wholesale Firm dealing in Chemical
Products and Perfumery, requires situation; could introduce busi-
ness; moderate salary. 183/6, Office of this Paper.

REPRESENTATIVE.—Gentleman with 25 years' experience,
qualified, thorough knowledge Retail trade, understands adver-
tising and pushing of Proprietaries, good address and tactful,
would Represent good house; South preferable; or would accept
good position inside Drug house. 185/26, Office of this Paper.

STOCKKEEPING; thorough knowledge Patents and Sundries;
10 years' experience; good references. "W.," 28 Eade Road,
Finsbury Park, N.

TRAVELLER, experienced commercial training; smart Salesman,
open to Represent first-class house; Essences, Oils, Perfumes,
etc.; sound connection Manufacturing Confectioners, Mineral-water
Makers, Chemists, etc. Apply, 184/3, Office of this Paper.

TRAVELLER desires re-engagement; excellent connection and
selling record; qualified Chemist; familiar all branches Drug
and allied trades; can influence business; reliable and experienced
man with first-class references; disengaged. "Comp." (185/2),
Office of this Paper.

WET-ROOM Assistant desires change; 12 years' experience;
good references. 186/40, Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone, 81 Lee Green. Shares for Sale (free of commission, subject).—100 Idris "A" 6 per cent. Preference, 3s. 9d.; 50 "A" Ordinary, bid wanted; 20 Southall Bros. & Barclay Ordinary, 23s. 6d.; 200 Peck, Freeman Preference, 20s. 9d.

Wanted, subject.—£1,000 Idris Debentures. £60 for £100 stock; Camwal Ordinary, Preference, and Debentures.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

SECOND-HAND Drug-fittings, all sizes; also Glass Counters, Silent Salesmen, Wall-cases, etc., etc.; Shop-front work and interior alteration a specialty. Farley & Co., Chemists' Shop Fitters, 227 Old Street, E.C.

SECOND-HAND SHOW-CASES AND SHOP-FITTINGS.—5-ft. Piano Wall-case, £10 10s.; Perfume Case and Desk, Mirror back and Glass Shelves, 58s.; Marble-top Sponge-case, 75s.; 4-ft. Silent Salesman Case, 3 ft. high and 2 ft. wide, 2 Plate-glass Shelves, £7 10s.; 6-ft. Dispensing Screen and Counter, Mirror centre, £7 15s.; hundreds of other bargains. **PHILIP JOSEPHS & SONS, LTD.**, 95 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, **RUDDUCK & CO.**, 262 Old Street, London, E.C.

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Torquay Pharmacists' Association

The quarterly meeting of the Torquay Pharmacists' Association was held on July 28, Mr. J. (President) in the chair. There were seven other members present and Mr. A. J. Ventham (Hon. Secretary). Mr. F. March, representing the Association on the County Pharmaceutical Committee on Insurance, gave a report on the business done at a meeting of that Committee held the day, one point being that there are indications in the balance of Insurance accounts for December 1914 will be paid shortly. A resolution was afterwards passed unanimously against the renewal of contracts for National Insurance dispensing unless the discounting clause is deleted. Another resolution was also passed urging the Pharmaceutical Society to maintain its efforts to obtain exemption for pharmacists in the matter of the Medical Preliminary examination.

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